Major Licensee Electronic Data Transfer

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Province of British Columbia, Ministry of Forests, Information Management Group
Send suggestions or comments to Web Administrator
January 21, 1999

Introduction

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The purpose of this document is to describe the Technical Design for the MLSIS-EDT automated process.

The main objective for the prototype on which this new process is based was to prove the concept of flat ASCII file transfer of information from Major Licensees to a central location where these text files are imported into a database, validated, and uploaded to the host mainframe. This objective still remains, but is extended to make the process central, thus eliminating the need to distribute software to the districts and Licensees.

The purpose for MLSIS-EDT is to help eliminate duplicate data entry of MLSIS information (Forms A, B, C) and to reduce the adverse affects on licensees of errors introduced by district data entry and lengthy waits in turnaround. MLSIS-EDT also removes the backward error checking and reporting inherent in the old procedure. With MLSIS-EDT the errors are detected before the data is stored on the host or accepted by the ministry.

The automated version of MLSIS-EDT will remove the user from the process of importing, validating and, in some cases, uploading MLSIS information. New files will be automatically detected, read, and validated. Based on User settings, some files will be automatically stored in the ISIS corporate VM SQL/DS database, or held for approval, via the Web, in the MLSIS-EDT Oracle Server database.

Following this introduction is the Detailed Requirements Document Sign-off Form. This document is to be reviewed by the project team and signed-off.

Infrastructure Requirements

MLSIS-EDT automated process requires:

- Oracle database
  - Shared Oracle tables (see Oracle Database section)
  - Oracle ODBC driver to connect to database
  - An ODBC DSN using Oracle ODBC driver, named MLSIS-EDT, which provides a connection to the MLSIS-EDT Oracle database (System/Machine DSN)

MLSIS-EDT System Process

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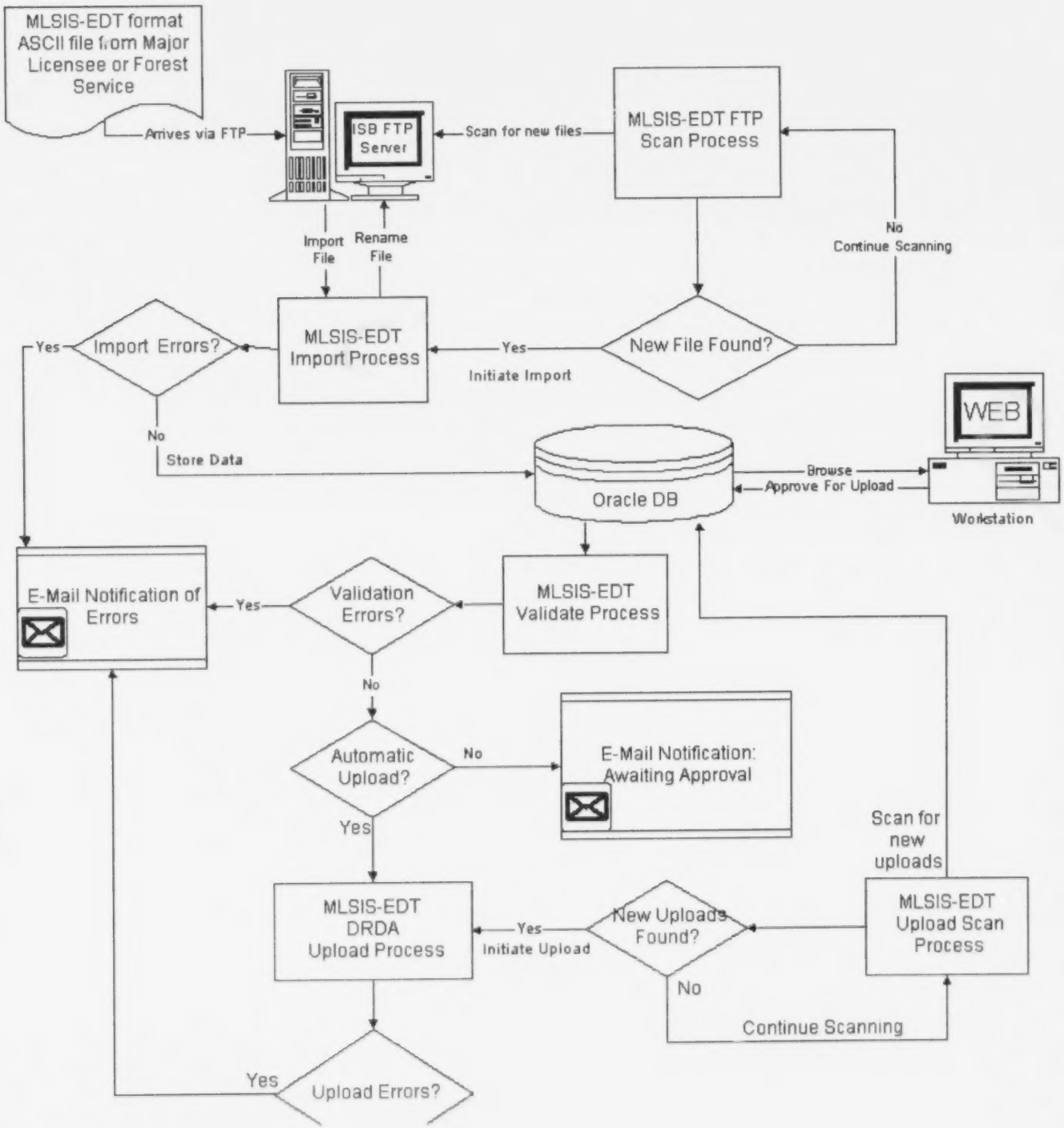

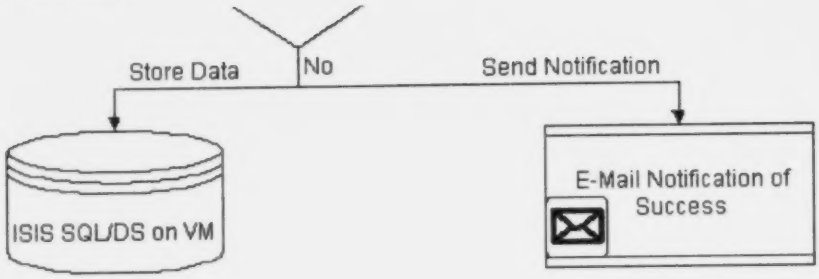

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MLSIS-EDT ASCII File Structure

- Form A (Silviculture Prescription)
- Form B (Activity Treatment Units)
- Form C (Forest Cover)

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Forms A, B and C are stored in a text file using the following format. The file may contain any combination of Forms A, B and C data. The order of the "records" in the text file is not important. That is to say, Form B data can precede Form A data and a Form A03 record can precede a Form A01 record. However, each text file can contain only one Header record (H01 - see Form A). The data atoms in the lines of the file are space delimited. That is to say, each atomic item will occupy a defined number of spaces in the line. Each atom will begin and end at defined positions within the line.

Each line of the text file represents one record. This record is identified by a record identifier of the form X99 where X is the letter of the form (A, B or C) or H for header and 99 represents the forms record type. This identifier is the first three characters of the line and it defines the type of the record. For example H01 indicates that this line is a header line. A02 indicates that this line contains information that will be stored in the Prescription table. See the file formats below for more details on the format of these records.

An import text file can also have a tag. Tags are added to the file after it has been imported and/or uploaded. It will be a line beginning with 'TAG' followed by a brief description of the last known state of the file (IMPORTED, UPLOADED, UPLOAD FAILED, etc) and the date and time of the tag. This allows the program to identify files that have already had some processing performed on them.

Once a file has been imported, it will be renamed and moved to a backup area. The file name will have a timestamp appended and the file name extension will be changed from .EDT to:

.DIE for files with an import error

.DSV for files with a successful validation

.DVE for files with a validation error

.DUE for files with an upload error

Form A (Silviculture Prescription)

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
H01	**01**	**RECORD TYPE ("H01")**		Alpha Numeric	1	3	H01
	02	DISTRICT CODE		Alpha Numeric	4	3	A
	03	CLIENT CODE		Alpha Numeric	7	8	B
	04	CLIENT LOCATION CODE		Alpha Numeric	15	2	C
	05	PREPARED BY		Alpha Numeric	17	35	D
	06	TELEPHONE NUMBER		Alpha Numeric	52	10	E
	07	EMAIL ADDRESS		Alpha Numeric	62	50	F

	08	BATCH REFERENCE DATE		Alpha Numeric	112	10 (YYYY-MM-DD)	G
	09	BATCH REFERENCE NUMBER		Alpha Numeric	122	10	H
	10	VALIDATION INDICATOR		Alpha Numeric	132	1	I
	11	OPENING/BATCH CENTRIC IND		Alpha Numeric	133	1	J
	12	FILLER		Alpha Numeric	134	6	X
		Record Length : 140					

The following is an example of how the H01 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter your e-mail addreess you would start at the letter F and type in your address.

```
H01DIN0000140200MLSEDT EXEC                    360-0111  gwareham@pangaea.ca
2000-04-20EY6050A1
H01AAABBBBBBBBCCDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDEEEEEEEEEEFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFGGGGGGGGGGHHHHHHHHHHIJXXXXXX
```

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A01	**01**	**RECORD TYPE ("A01")**		Alpha Numeric	1	3	A01
	02	TIMBER MARK	TENURE_PRESC:TIMBER_MARK	Alpha Numeric	4	6	A
	03	BLOCK	TENURE_PRESC:BLOCK	Alpha Numeric	10	10	B
	04	STAND TYPE	PRESCRIPTION: PREV_TYPE_IDENT_CD	Alpha Numeric	20	3	C
	05	SPECIES 1 CODE	PRESCRIPTION: PREV_TREE_SPP1_ST	Alpha Numeric	23	4	D
	06	SPECIES 2 CODE	PRESCRIPTION: PREV_TREE_SPP2_ST	Alpha Numeric	27	4	E
	07	AGE CLASS CODE	PRESCRIPTION: PREV_AGE_CLASS_CD	Alpha Numeric	31	1	F
	08	HEIGHT CLASS CODE	PRESCRIPTION: PREV_HGHT_CLASS_CD	Alpha Numeric	32	1	G
	09	STOCK CLASS CODE	PRESCRIPTION: PREV_STCK_CLASS_CD	Alpha Numeric	33	1	H
	10	SITE INDEX	PRESCRIPTION: PREV_SITE_INDEX	Integer	34	2 (99)	I
	11	DATE SP APPROVED	PRESCRIPTION: APPROVE_DATE	Date	36	10 (YYYY-MM-DD)	J

	12	YEARS TO HVT	PRESCRIPTION: HARVEST_OFFSET_YRS	Integer	46	2 (99)	K
	13	TAUP	PRESCRIPTION: TAUP_AREA	Decimal	48	6,1 (99999.9)	L
	14	PERMANENT ACCESS PCT	PRESCRIPTION: PERM_ACCESS	Decimal	55	3,1 (99.9)	M
	15	NET AREA	CUT_BLOCK.EST_NET_BLK_AREA	Decimal	59	6,1 (99999.9)	N
	16	OPENING NUMBER	OPENING: [OPENING INFO SET] Item Positions: Mapsheet Grid 1-3 Mapsheet Letter 4 Mapsheet Square 5-7 Mapsheet Quad 8 Mapsheet Subquad 9 Opening Number 10-13	Alpha Numeric	66	13	O
	17	OPEN_CATEGORY_CD	OPEN_CATEGORY_CD	Alpha	79	7	P
	18	ACTION CODE		Alpha Numeric	86	1	Q
	19	FILLER		Alpha Numeric	87	45	X
		Record Length : 132					

The following is an example of how the A01 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the taup area in you would start at the letter L.

```
A01EY6050A01        MATHM  BA  941301995/01/30 1   35.0 7.0   30.0093M012000001
A01AAAAAABBBBBBBBBBCCCDDDDEEEEFGHIIJJJJJJJJJJKKLLLLLLLMMMMNNNNNNNOOOOOOOOOOOOOPPPPPPPQXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A02	**01**	**RECORD TYPE ("A02")**		Alpha Numeric	1	3	A02
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	TIMBER MARK	TENURE_PRESC: TIMBER_MARK	Alpha Numeric	20	6	C
	05	BLOCK	TENURE_PRESC: CUT_BLOCK_ID	Alpha Numeric	26	10	D
	06	LICENCE NUMBER	TENURE_PRESC: FOREST_FILE_ID	Alpha Numeric	36	10	E

	07	CUTTING PERMIT ID	TENURE_PRESC: CUTTING_PERMIT_ID	Alpha Numeric	46	3	F
	08	PRIME LICENCE INDICATOR	TENURE_PRESC:PRIME_LICENCE_IND	Alpha Numeric	49	1	G
	09	MANAGED BY FOR. FILE ID	PRMT_AUTHZD_BLK.FOREST_FILE_ID	Alpha Numeric	50	10	H
	10	MANAGED BY CUTTING PERMIT	PRMT_AUTHZD_BLK.CUTTING_PERMIT_ID	Alpha Numeric	60	3	I
	11	TENURE_PRESC_AREA		Decimal	63	6,1 (99999.9)	J
	12	TENURE_NET_AREA		Decimal	70	6,1 (99999.9)	K
	13	ACTION CODE		Alpha Numeric	77	1	L
	14	FILLER		Alpha Numeric	78	54	X
		Record Length : 132					

The following is an example of how the A02 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the licence number in you would start at the letter E.

```
A02EY6050A01        EY6050A01        A18978     50 YA18980    25
A02AAAAAABBBBBBBBBBCCCCCCDDDDDDDDDDEEEEEEEEEEFFFGHHHHHHHHHHIIIJJJJJJKKKKKKLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A03	**01**	**RECORD TYPE ("A03")**		Alpha Numeric	1	3	A03
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	STANDARDS UNIT ID	STANDARDS_PRESC: STANDARDS_UNIT_ID	Alpha Numeric	20	1	C
	05	NET AREA (ha)	STANDARDS_PRESC: TREATABLE_AREA	Decimal	21	6,1(99999.9)	D
	06	REGEN METHOD	STANDARDS_PRESC: REGEN_METHOD_CD	Alpha Numeric	28	5	E
	07	REGEN DELAY YEARS	STANDARDS_PRESC: REGEN_DELAY_YEARS	Integer	33	2 (99)	F

	08	EARLY FREE GROWING YEARS	STANDARDS_PRESC: EARLY_FG_YEARS	Integer	35	2 (99)	G
	09	LATE FREE GROWING YEARS	STANDARDS_PRESC: LATE_FG_YEARS	Integer	37	2 (99)	H
	10	MAX ALLOW. TOT DISTURB (%)	STANDARDS_PRESC: MAX_SOIL_POST_PCT	Decimal	39	3,1 (99.9)	I
	11	MAX FOR FLOOR DISPLACE (%)	STANDARDS_PRESC: MAX_FLOOR_DISP_PCT	Decimal	43	3,1 (99.9)	J
	12	MAX FOR FLOOR REDUCTION	STANDARDS_PRESC: FOR_FLOOR_REMAIN	Integer	47	3 (999)	K
	13	ACTION CODE		Alpha Numeric	50	1	L
	14	FILLER		Alpha Numeric	51	82	X
		Record Length : 132					

The following is an example of how the A03 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Regen Delay Years you would start at the letter F.

```
A03EY6050A01        1    15.0PLANT 2 71010.029.0 10
A03AAAAAABBBBBBBBBBCDDDDDDDEEEEEFFGGHHIIIIJJJJKKKLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A04	**01**	**RECORD TYPE ("A04")**		Alpha Numeric	1	3	A04
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	STANDARDS UNIT ID	SU_ECOLOGY: STOCKING_SKEY (Mapped)	Alpha Numeric	20	1	C
	05	ECO STRATUM ID	SU_ECOLOGY:STRATUM_ID	Alpha Numeric	21	1	D
	06	BGC ZONE	SU_ECOLOGY: BGC_ZONE	Alpha Numeric	22	4	E
	07	BGC SUBZONE	SU_ECOLOGY: BGC_SUBZONE	Alpha Numeric	26	3	F

	08	BGC VARIANT	SU_ECOLOGY: BGC_VARIANT	Alpha Numeric	29	1	G
	09	BGC PHASE	SU_ECOLOGY: BGC_PHASE	Alpha Numeric	30	1	H
	10	BGC SITE SERIES	SU_ECOLOGY: BGC_SITE_SERIES	Alpha Numeric	31	2	I
	11	BGC SITE TYPE	SU_ECOLOGY: BGC_SITE_TYPE	Alpha Numeric	33	2	J
	12	ELEVATION AVERAGE	SU_ECOLOGY: ELEVATION_AVG	Integer	35	4 (9999)	K
	13	ASPECT CODE	SU_ECOLOGY: ASPECT_CODE	Alpha Numeric	39	2	L
	14	ACTION CODE		Alpha Numeric	41	1	M
	15	FILLER		Alpha Numeric	42	91	X
		Record Length : 132					

The following is an example of how the A04 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Standards Unit Id you would start at the letter C.

```
A04EY6050A01        1ACWH b  1 03    30NE
A04AAAAAABBBBBBBBBBCDEEEEFFFGHIIJJKKKLLMXXX
```

	09	MINIMUM HORIZ	STOCKING_LAYER: MIN_HRZNTL_SPACING	Decimal	35	6,1(99999.9)	H
	10	BASAL AREA	STOCKING_LAYER: MIN_RES_BASAL_AREA	Integer	42	3 (999)	I
	11	PREFERRED SPECIES 1 CODE	STOCKING_LAYER: PREF_TREE_SPP1_ST	Alpha Numeric	45	8	J
	12	PREFERRED SPECIES 2 CODE	STOCKING_LAYER: PREF_TREE_SPP2_ST	Alpha Numeric	53	8	K
	13	PREFERRED SPECIES 3 CODE	STOCKING_LAYER: PREF_TREE_SPP3_ST	Alpha Numeric	61	8	L
	14	PREFERRED SPECIES 4 CODE	STOCKING_LAYER: PREF_TREE_SPP4_ST	Alpha Numeric	69	8	M
	15	ACCEPTABLE SPECIES 1 CODE	STOCKING_LAYER: ACC_TREE_SPP1_ST	Alpha Numeric	77	8	N
	16	ACCEPTABLE SPECIES 2 CODE	STOCKING_LAYER: ACC_TREE_SPP2_ST	Alpha Numeric	85	8	O
	17	ACCEPTABLE SPECIES 3 CODE	STOCKING_LAYER: ACC_TREE_SPP3_ST	Alpha Numeric	93	8	P
	18	ACCEPTABLE SPECIES 4 CODE	STOCKING_LAYER: ACC_TREE_SPP4_ST	Alpha Numeric	101	8	Q
	19	MAX DENSITY	STOCKING_LAYER: MAX_DENSITY	Integer	109	6 (999999)	R
	20	TREE SIZE	STOCKING_LAYER: TREE_SIZE	Integer	115	3 (999)	S
	21	TREE SIZE UNIT	STOCKING_LAYER: TREE_SIZE_UNIT_ST	Alpha Numeric	118	3	T
	22	ACTION CODE		Alpha Numeric	121	1	U
	23	FILLER		Alpha Numeric	122	11	X
		Record Length : 132					

The following is an example of how the A05 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Basal Area you would start at the letter I.

```
A05EY6050A01        1   100 800 400    2.0  0FDC      CW        FDC                 HW       BA       PLI      DR
2000150%
A05AAAAAABBBBBBBBBBCDDEEEEFFFFGGGGHHHHHHHIIIJJJJJJJJKKKKKKKKLLLLLLLLMMMMMMMMNNNNNNNNOOOOOOOOPPPPPPPQQQQQQQQRRRRRRSSSTTTUXXXXXXXXXX
```

MLSIS-EDT Ascii File Structure

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A06	01	RECORD TYPE ("A06")		Alpha Numeric	1	3	A06
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	STANDARDS UNIT ID	FORHEALTH_PRESC: STOCKING_SKEY (Map)	Alpha Numeric	20	1	C
	05	LAYER	FORHEALTH_PRESC: STOCKING_LAYER_ST	Alpha Numeric	21	2	D
	06	PEST CODE	FORHEALTH_PRESC: PEST_SPECIES_CD	Alpha Numeric	23	3	E
	07	PEST PERCENT	FORHEALTH_PRESC: MAX_INCIDENCE_PCT	Integer	26	3 (999)	F
	08	ACTION CODE		Alpha Numeric	29	1	G
	09	FILLER		Alpha Numeric	30	103	X
		Record Length : 132					

The following is an example of how the A06 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Layer you would start at the letter D.

```
A06EY6050A03          1 1IBM 30
A06AAAAAABBBBBBBBBBCDDEEEFFFGXXX
```

	05	NON PRODUCTIVE ROCK AREA	PRESCRIPTION.NP_ROCK_AREA	Decimal	27	6.1 (99999.9)	D
	06	NON PRODUCTIVE WATER AREA	PRESCRIPTION.NP_WATER_AREA	Decimal	34	6.1 (99999.9)	E
	07	NON PRODUCTIVE SWAMP AREA	PRESCRIPTION.NP_SWAMP_AREA	Decimal	41	6.1 (99999.9)	F
	08	NON PRODUCTIVE OTHER AREA	PRESCRIPTION.NP_OTHER_AREA	Decimal	48	6.1 (99999.9)	G
	09	NON COMMERCIAL AREA	PRESCRIPTION.NC_AREA	Decimal	55	6.1 (99999.9)	H
	10	RESERVES WITH NO MODIFICATIONS	PRESCRIPTION.TOTAL_RES_AREA	Decimal	62	6.1 (99999.9)	I
	11	IMMATURE AREA	PRESCRIPTION.IMM_AREA	Decimal	69	6.1 (99999.9)	J
	12	OTHER AREA	PRESCRIPTION.OTHER_AREA	Decimal	76	6.1 (99999.9)	K
	13	ACTION CODE		Alpha Numeric	83	1	L
	14	FILLER		Alpha Numeric	84	48	X
		Record Length : 132					

The following is an example of how the A07 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Layer you would start at the letter D.

```
A07EY6050A03          00001.100002.200003.300004.400005.500004.400006.600008.800002.2U
A07AAAAAABBBBBBBBBBCCCCCCCDDDDDDEEEEEEEFFFFFFFGGGGGGGHHHHHHHIIIIIIIJJJJJJJKKKKKKKLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

RECORD	POSITION	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
A08	**01**	**RECORD TYPE ("A08")**		Alpha Numeric	1	3	A06
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	RESERVE ID	RESERVE_PRESC.RESERVE_ID	Alpha Numeric	20	2	C

	05	RESERVE TYPE	RESERVE_PRESC.RESERVE_TYPE_CD	Alpha Numeric	22	1	D
	06	AREA	RESERVE_PRESC.RESERVE_AREA	Decimal	23	6,1(99999.9)	E
	07	BASAL AREA	RESERVE_PRESC.MAX_RMZ_BASAL_AREA	Integer	30	3(999)	F
	08	PLANNED ENTRY	RESERVE_PRESC.PLANNED_ENTRY_IND	Alpha Numeric	33	1	G
	09	SU XREF 1	SU_RESERVE_LNK	Alpha Numeric	34	1	H
	10	SU XREF 2	SU_RESERVE_LNK	Alpha Numeric	35	1	I
	11	SU XREF 3	SU_RESERVE_LNK	Alpha Numeric	36	1	J
	12	SU XREF 4	SU_RESERVE_LNK	Alpha Numeric	37	1	K
	13	SU XREF 5	SU_RESERVE_LNK	Alpha Numeric	38	1	L
	14	SU XREF 6	SU_RESERVE_LNK	Alpha Numeric	39	1	M
	15	SU XREF 7	SU_RESERVE_LNK	Alpha Numeric	40	1	N
	16	SU XREF 8	SU_RESERVE_LNK	Alpha Numeric	41	1	O
	17	SU XREF 9	SU_RESERVE_LNK	Alpha Numeric	42	1	P
	18	SU XREF 10	SU_RESERVE_LNK	Alpha Numeric	43	1	Q
	19	SU XREF 11	SU_RESERVE_LNK	Alpha Numeric	44	1	R
	20	SU XREF 12	SU_RESERVE_LNK	Alpha Numeric	45	1	S
	21	SU XREF 13	SU_RESERVE_LNK	Alpha Numeric	46	1	T
	22	SU XREF 14	SU_RESERVE_LNK	Alpha Numeric	47	1	U
	23	SU XREF 15	SU_RESERVE_LNK	Alpha Numeric	48	1	V
	24	SU XREF 16	SU_RESERVE_LNK	Alpha Numeric	49	1	W
	25	SU XREF 17	SU_RESERVE_LNK	Alpha Numeric	50	1	X

	26	SU XREF 18	SU_RESERVE_LNK	Alpha Numeric	51	1	Y
	27	SU XREF 19	SU_RESERVE_LNK	Alpha Numeric	52	1	Z
	28	SU XREF 20	SU_RESERVE_LNK	Alpha Numeric	53	1	1
	29	ACTION CODE		Alpha Numeric	54	1	2
	30	FILLER		Alpha Numeric	55	77	
		Record Length : 132					

The following is an example of how the A08 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Layer you would start at the letter D.

```
A08EY6050A03        01G00006.6    Y1
A08AAAAAABBBBBBBBBBCCDEEEEEEEEFFFGHIJKLMNOPQRSTUVWXYZ12
```

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Form B (Activity Treatment Units)

REC	POS	DESCRIPTION		TYPE	START	LENGTH	FLAT FILE KEY
B01	**01**	**RECORD TYPE ("B01")**		Alpha Numeric	1	3	B01
	02	TIMBER MARK		Alpha Numeric	4	6	A
	03	BLOCK		Alpha Numeric	10	10	B
	04	ACTIVITY TREATMENT UNIT ID	ACTIVITY_TU.ACTIVITY_TU_ID	Alpha Numeric	20	3	C
	05	DISTURBANCE	HARVEST_RSLT.ACT_DISTURBANCE_ST	Alpha Numeric	23	1	D
	06	SILV SYSTEM	ACTIVITY_TU.ACT_METHOD_CODE	Alpha Numeric	24	5	E
	07	VARIANT	HARVEST_RSLT.ACT_SYSTEM_VAR_CODE	Alpha Numeric	29	3	F
	08	CUT PHASE	HARVEST_RSLT.ACT_CUT_PHASE_CODE	Alpha Numeric	32	5	G

	09	HARVEST STARTED DATE	HARVEST_RSLT:ACT_HARV_START_DT	Date	37	10 (YYYY-MM-DD)	H
	10	HARVEST COMPLETED DATE	ACTIVITY_TU:ATU_COMPLETION_DT	Date	47	10 (YYYY-MM-DD)	I
	11	RESERVE TYPE	HARVEST_RSLT:RESERVE_TYPE_CD	Alpha Numeric	57	1	J
	12	GROSS BLOCK AREA	ACTIVITY_TU:ACT_TRTMNT_AMT	Decimal	58	6,1(99999.9)	K
	13	ACTION CODE		Alpha Numeric	65	1	L
	14	FILLER		Alpha Numeric	66	67	X
		Record Length : 132					

The following is an example of how the B01 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Cut Phase you would start at the letter G.

```
B01EY6050A01          001LCLEAR    REMOV1992-07-011992-08-11N     2.7
B01AAAAAABBBBBBBBBBCCCDEEEEEFFFGGGGGHHHHHHHHHIIIIIIIIIIJKKKKKKKLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

REC	POS	DESCRIPTION		TYPE	START	LENGTH	FLAT FILE KEY
B02	**01**	**RECORD TYPE ("B02")**		Alpha Numeric	1	3	B02
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	ACTIVITY TREATMENT UNIT ID	IDENT	Alpha Numeric	20	3	C
	05	ACTIVITY BASE	ACTIVITY_TU:SILV_BASE_CD	Alpha Numeric	23	2	D
	06	ACTIVITY TECHNIQUE	ACTIVITY_TU:ACT_TECHNIQUE_CD	Alpha Numeric	25	2	E
	07	ACTIVITY METHOD	ACTIVITY_TU:ACT_METHOD_CD	Alpha Numeric	27	5	F
	08	OBJECTIVE 1	ACTIVITY_TU:SILV_OBJECTIVE1_CD	Alpha Numeric	32	3	G
	09	OBJECTIVE 2	ACTIVITY_TU:SILV_OBJECTIVE2_CD	Alpha Numeric	35	3	H

	10	OBJECTIVE 3	ACTIVITY_TU.SILV_OBJECTIVE3_CD	Alpha Numeric	38	3	I
	11	FUNDING SOURCE	ACTIVITY_TU.ACT_FUND_SRCE_CD	Alpha Numeric	41	3	J
	12	COMPLETION DATE	ACTIVITY_TU.ATU_COMPLETION_DT	Date	44	10 (YYYY-MM-DD)	K
	13	NET AREA TREATED	ACTIVITY_TU.ACT_TRTMNT_AMT	Decimal	54	6,1(9999.9)	L
	14	ACTION CODE		Alpha Numeric	61	1	M
	15	FILLER		Alpha Numeric	62	71	X
		Record Length : 132					

The following is an example of how the B02 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Funding Source you would start at the letter J.

```
B02EY6050A01          001PLPLPOWERCGE       IA 1997-05-11    2.6
B02AAAAAABBBBBBBBBBCCCDDEEFFFFFGGGHHHIIIJJJKKKKKKKKKKLLLLLLLMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

REC	POS	DESCRIPTION		TYPE	START	LENGTH	FLAT FILE KEY
B03	**01**	**RECORD TYPE ("B03")**		Alpha Numeric	1	3	B03
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	ACTIVITY TREATMENT UNIT ID	IDENT	Alpha Numeric	20	3	C
	05	SEEDLOT	PLANT_STCK_ALOT.SEEDLOT_NUMBER	Alpha Numeric	23	5	D
	06	SPECIES	PLANT_STCK_ALOT.SILV_SPECIES_ST	Alpha Numeric	28	6	E
	07	NUMBER PLANTED	PLANT_STCK_ALOT.PLANTED_NUMBER	Integer	36	7 (9999999)	F
	08	ACTION CODE		Alpha Numeric	43	1	G
	09	FILLER		Alpha Numeric	44	89	X

		Record Length : 132					

The following is an example of how the B03 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Species you would start at the letter E.

```
B03EY6050A01        00100001PLI         0400
B03AAAAAABBBBBBBBBBCCCDDDDDEEEEEEEEEFFFFFFFGXXX
```

MLSIS-EDT Ascii File Structure

REC	POS	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
C02	01	RECORD TYPE ("CO2")		Alpha Numeric	1	3	C02
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	STRATA	IDENT	Alpha Numeric	20	4	C
	05	LAYER	IDENT	Alpha Numeric	24	2	D
	06	SPECIES CODE	FOREST_COVER:TREE_SPECIESx_CD	Alpha Numeric	26	8	E
	07	SPECIES PERCENT	FOREST_COVER:TREE_SPECIESx_PCT	Integer	34	3 (999)	F
	08	SPECIES SEQUENCE NUMBER	IDENT FOR x IN TREE_SPECIESx_ST	Alpha Numeric	37	1	G
	09	FILLER		Alpha Numeric	38	93	X
		Record Length : 132					

The following is an example of how the C02 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Strata you would start at the letter C.

```
C02EY6050A01        B    1 BL       70 1
C02AAAAAABBBBBBBBBBCCCCDDEEEEEEEEFFFGXXX
```

	06	AGE YEARS	FOREST_COVER:AVG_AGE	Integer	26	3 (999)	E
	07	AGE PLT	FOREST_COVER:PLANTED_STOCK_AGE	Integer	29	3 (999)	F
	08	HEIGHT	FOREST_COVER:AVG_HEIGHT	Decimal	32	6,1(99999.9)	G
	09	CROWN CLOSURE	FOREST_COVER:CROWN_CLOSURE_PCT	Integer	39	3 (999)	H
	10	REF YEAR	FOREST_COVER:REFERENCE_YEAR	Integer	42	4 (9999)	I
	11	SITE INDEX SOURCE	FOREST_COVER:SITE_INDEX_SRC_CD	Alpha Numeric	46	1	J
	12	SITE INDEX	FOREST_COVER:SITE_INDEX	Integer	47	2 (99)	K
	13	DENSITY STEMS	FOREST_COVER:TOTAL_STEMS_PER_HA	Integer	49	6 (999999)	L
	14	WELL SPACED	FOREST_COVER:WS_STEMS_PER_HA	Integer	55	6 (999999)	M
	15	FREE GROWING	FOREST_COVER:FG_STEMS_PER_HA	Integer	61	6 (999999)	N
	16	RESERVE TYPE	FOREST_COVER:RESERVE_TYPE_CD	Alpha Numeric	67	1	O
	17	BASAL AREA	FOREST_COVER:BASAL_AREA	Integer	68	3 (999)	P
	18	FILLER		Alpha Numeric	71	64	X
		Record Length : 132					

The following is an example of how the C03 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Reserve Type you would start at the letter O.

```
C03EY6050A01        B    1 1900   28.0     8 1999 1270     0      0      N0
C03AAAAAABBBBBBBBBBCCCCDDEEEFFFGGGGGGGHHHUUUUUJKKLLLLLLMMMMMMNNNNNNOPPPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

REC	POS	DESCRIPTION	ISIS DB TABLE:FIELD	TYPE	START	LENGTH	FLAT FILE KEY
C04	**01**	**RECORD TYPE ("C04")**		Alpha Numeric	1	3	C04
	02	TIMBER MARK	IDENT	Alpha Numeric	4	6	A
	03	BLOCK	IDENT	Alpha Numeric	10	10	B
	04	STRATA	FORHEALTH_RSLT:SILV_POLYGON_NO	Alpha Numeric	20	4	C

	05	LAYER	FORHEALTH_RSLT:FOR_COVER_LAYER_CD	Alpha Numeric	24	20	D
	06	PEST CODE	FORHEALTH_RSLT:PEST_SPECIES_CD	Alpha Numeric	44	1	E
	07	PEST PERCENT	FORHEALTH_RSLT:INCIDENCE_PCT	Integer	45	10 (YYYY-MM-DD)	F
	08	FILLER		Alpha Numeric	55	77	X
		Record Length : 132					

The following is an example of how the C04 record is layed out. You can copy and paste this structure into an editor and put in the correct data for the corresponding letter. For example, to enter the Timber Mark you would start at the letter A.

```
C0419/22 J81          C      UI 9.5
C04AAAAAABBBBBBBBBBCCCCDDDDDDDDDDDDDDDDDDDDDDEFFFFFFFFFFXXX
```

MLSIS-EDT Oracle Database

- Oracle Database
- Table Descriptions
- Form A Table: EDT_OPENING
- Form A Table: EDT_PRESCRIPTION
- Form A Table: EDT_RESERVE_PRESC
- Form A Table: EDT_TENURE_PRESC
- Form A Table: EDT_STANDARDS_PRESC
- Form A Table: EDT_SU_ECOLOGY
- Form A Table: EDT_SU_RESERVE_LNK
- Form A Table: EDT_STOCKING_LAYER
- Form A Table: EDT_FORHEALTH_PRESC
- Form B Table: EDT_ACTIVITY_TU
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- Support Table: EDT_AUDIT_ACTION_CODE
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- Support Table: EDT_MLS_DIST_PREF
- Support Table: EDT_MLS_LICENCE_PREF
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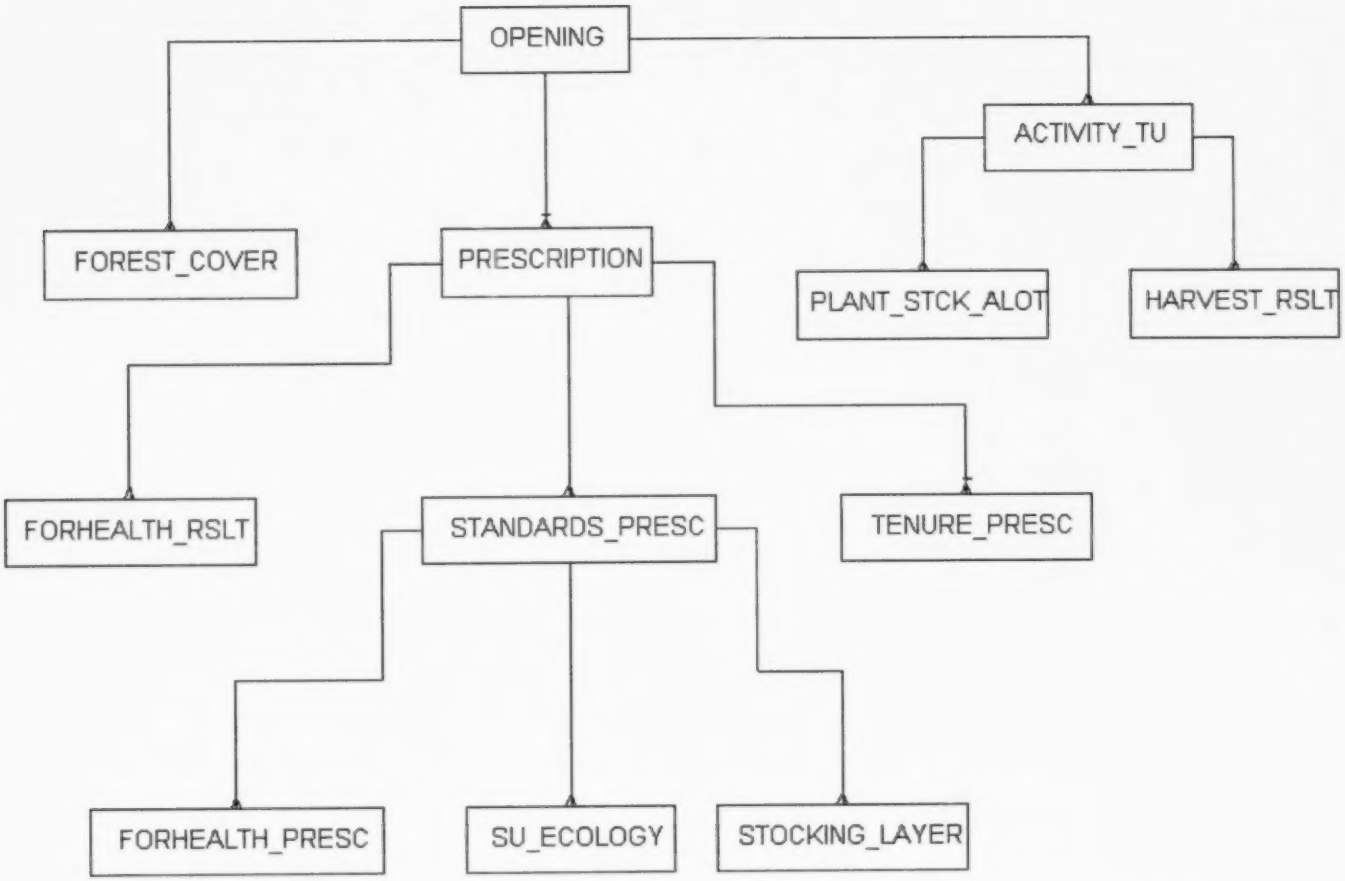
Oracle Database

Form A data is Silviculture Prescription data. Form B is Activity Treatment Units data, and Form C is Forest Cover data. The import file may contain one or more of these types of data. The local database contains all the tables required to store all three of the forms data. However, since the file may contain only, say, Form B data, the referential integrity rules are turned off. Integrity checks occur in the form of validations.

Following is a diagram of all the tables used in MLSIS-EDT and their relationships.



IMPORTANT NOTE: The MLSIS-EDT Oracle database assumes that some tables from other applications are shared and available for MLSIS-EDT to use. These tables are:

- CODE_LIST_TABLE
- CODE_SUBSET_TBL
- ORG_UNIT
- BGC_ZONE_XREF
- SILV_SYSTEM_XRF

For development and testing purposes BGC_ZONE_XREF and SILV_SYSTEM_XRF were exported from the SilvRx ISIS_CD.MDB database into the MLSIS-EDT Oracle database.

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Table Descriptions

MLSIS-EDT data will ultimately be uploaded to the ISIS SQL/DS database on the VM mainframe. The Oracle tables that MLSIS-EDT uses are truncated versions of the SQL/DS tables. Any fields in the SQL/DS database tables that are not used by MLSIS-EDT have been removed from the Oracle MLSIS-EDT tables. These fields may require default values during uploads (See Section 6.)

In addition to the tables described in this document, MLSIS-EDT uses the following Corporate tables for validations:

CODE_LIST_TABLE

CODE_SUBSET_TBL

ORG_UNIT

BGC_ZONE_XREF

SILV_SYSTEM_XRF

The Table definitions are split into the respective groups. Form A tables, Form B tables and Form C tables are presented first followed by the support tables.

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Form A Table: EDT_OPENING

FIELD	TYPE	SIZE	COMMENTS
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
CUT_BLOCK_ID	Text	10	With TIMBER_MARK, identifies a set of records
OPENING_SKEY	Number (Long)	4	System generated value to uniquely identify
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01
ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01
MAPSHEET_GRID	Text	3	From A01
MAPSHEET_LETTER	Text	1	From A01
MAPSHEET_SQUARE	Text	3	From A01
MAPSHEET_QUAD	Text	1	From A01
MAPSHEET_SUB_QUAD	Text	1	From A01
OPENING_NUMBER	Text	4	From A01
FAIL_IND	Text	1	From A01

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Form A Table: EDT_PREFERENCES

FIELD	TYPE	SIZE	COMMENT
DEFAULT_EMAIL	Text	50	This is the Default Email address for EDT.

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Form A Table: EDT_PRESCRIPTION

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
CUT_BLOCK_ID	Text	10	With TIMBER_MARK, identifies a set of records
PERMNT_ACCESS_IND	Text	10	With TIMBER_MARK, identifies a set of records
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Long)	4	Defaulted to 1
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01
ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01
HARVEST_OFFSET_YRS	Number (Integer)	2	From A01
PERMNT_ACCESS_PCT	Number (Double)	8	From A01
TAUP_AREA	Number (Double)	8	From A01
PREV_TYPE_IDENT_CD	Text	3	From A01
PREV_TREE_SPP1_ST	Text	4	From A01
PREV_TREE_SPP2_ST	Text	4	From A01
PREV_AGE_CLASS_CD	Text	1	From A01
PREV_HGHT_CLASS_CD	Text	1	From A01
PREV_STCK_CLASS_CD	Text	1	From A01
PREV_SITE_INDEX	Number (Integer)	2	From A01
APPROVE_DATE	Text	10	From A01
EST_NET_BLK_AREA	Number (Double)	8	From A01 Stored in CUT_BLOCK on Host

PERMNT_ACCESS_AREA	Number (Double)	8	From A07
NP_ROCK_AREA	Number (Double)	8	From A07
NP_WATER_AREA	Number (Double)	8	From A07
NP_SWAMP_AREA	Number (Double)	8	From A07
NP_OTHER_AREA	Number (Double)	8	From A07
NC_AREA	Number (Double)	8	From A07
TOTAL_RES_AREA	Number (Double)	8	From A07
IMM_AREA	Number (Double)	8	From A07
OTHER_AREA	Number (Double)	8	From A07
ACTION_CODE	Text	1	From A01
OPEN_CATEGORY_CD	Text	7	From A01

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Form A Table: EDT_RESERVE_PRESC

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
RESERVE_ID	Text	2	Reserve Identifier
RESERVE_TYPE_CD	Text	1	Reserve Type Code
RESERVE_AREA	Number (Double)	8	Reserve Area
BASAL_AREA	Number (Double)	8	Basal Area
PLANNED_ENTRY_IND	Text	1	Planned Entry Indicator

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Form A Table: EDT_TENURE_PRESC

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
KTIMBER_MARK	Text	6	With KBLOCK, identifies a set of records
KBLOCK	Text	10	With KTIMBER_MARK, identifies a set of records
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
FOREST_FILE_ID	Text	10	From A02
CUTTING_PERMIT_ID	Text	3	From A02
CUT_BLOCK_ID	Text	10	From A02
TIMBER_MARK	Text	7	From A02
PRIME_LICENCE_IND	Text	1	Y or N
PAB_FOREST_FILE_ID	Text	10	From A02 Stored in PRMT_AUTHZD_BLK on Host
PAB_CUTTING_PERMIT_ID	Text	3	From A02 Stored in PRMT_AUTHZD_BLK on Host
TENURE_PRESC_AREA	Number(Double)	8	From A02
TENURE_NET_AREA	Number(Double)	8	From A02

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Form A Table: EDT_STANDARDS_PRESC

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
STOCKING_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host

PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
STANDARDS_UNIT_ID	Text	1	From A03
TREATABLE_AREA	Number (Double)	8	From A03
REGEN_METHOD_CD	Text	5	From A03
REGEN_DELAY_YEARS	Number (Integer)	2	From A03
EARLY_FG_YEARS	Number (Integer)	2	From A03
LATE_FG_YEARS	Number (Integer)	2	From A03
MAX_SOIL_POST_PCT	Number (Double)	8	From A03
MAX_FLOOR_DISP_PCT	Number (Double)	8	From A03
FOR_FLOOR_REMAIN	Number (Integer)	2	From A03

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Form A Table: EDT_SU_ECOLOGY

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
STANDARDS_UNIT_ID	Text	1	From A04
ECO_STRATA_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	Retrieved from Host
STRATUM_ID	Text	1	From A04
BGC_ZONE	Text	4	From A04
BGC_SUBZONE	Text	3	From A04
BGC_VARIANT	Text	1	From A04

BGC_PHASE	Text	1	From A04
BGC_SITE_SERIES	Text	2	From A04
BGC_SITE_TYPE	Text	2	From A04
ELEVATION_AVG	Number (Integer)	2	From A04
ASPECT_CODE	Text	2	From A04

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Form A Table: EDT_SU_RESERVE_LNK

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Long)	4	Retrieved from Host
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
RESERVE_ID	Text	2	From A04
STANDARDS_UNIT_ID	Text	1	From A04
STOCKING_SKEY	Number (Long)	4	Retrieved from Host

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Form A Table: EDT_STOCKING_LAYER

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
SU_ID	Text	1	From A05
STOCKING_SKEY	Number (Long)	4	from mapping SU_ID

STOCKING_LAYER_ST	Text	2	From A05
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
PREF_TREE_SPP1_ST	Text	8	From A05
PREF_TREE_SPP2_ST	Text	8	From A05
PREF_TREE_SPP3_ST	Text	8	From A05
PREF_TREE_SPP4_ST	Text	8	From A05
PREF_TREE_SPP5_ST	Text	8	From A05
PREF_TREE_SPP6_ST	Text	8	From A05
ACC_TREE_SPP1_ST	Text	8	From A05
ACC_TREE_SPP2_ST	Text	8	From A05
ACC_TREE_SPP3_ST	Text	8	From A05
ACC_TREE_SPP4_ST	Text	8	From A05
ACC_TREE_SPP5_ST	Text	8	From A05
ACC_TREE_SPP6_ST	Text	8	From A05
MAX_DENSITY	Number (Long)	4	From A05
TARGET_STOCKING	Number (Integer)	2	From A05
MIN_STOCKING	Number (Integer)	2	From A05
MIN_PREF_STOCKING	Number (Integer)	2	From A05
MIN_HRZNTL_SPACING	Number (Integer)	2	From A05
MIN_RES_BASAL_AREA	Number (Integer)	2	From A05
TREE_SIZE	Number (Integer)	2	From A05
TREE_SIZE_UNIT_ST	Text	3	From A05

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Form A Table: EDT_FORHEALTH_PRESC

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
SU_ID	Text	1	From A06
FORHEALTH_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	by mapping SU_ID
STOCKING_LAYER_ST	Text	2	From A06
PEST_SPECIES_CD	Text	3	From A06
MAX_INCIDENCE_PCT	Number (Integer)	2	From A06

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Form B Table: EDT_ACTIVITY_TU

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
ACTIVITY_TU_SKEY	Number (Long)	4	Retrieved from Host
ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01
OPENING_SKEY	Number (Long)	4	Retrieved from Host
ACTIVITY_TU_ID	Text	3	From B01
SILV_BASE_CODE	Text	2	From B02
ACT_TECHNIQUE_CD	Text	2	From B02

ACT_METHOD_CODE	Text	5	From B01
SILV_OBJECTIVE1_CD	Text	3	From B02
SILV_OBJECTIVE2_CD	Text	3	From B02
SILV_OBJECTIVE3_CD	Text	3	From B02
ACT_FUND_SRCE_CD	Text	3	From B02
ACT_TRTMNT_AMT	Number (Double)	8	From B01, B02
ATU_COMPLETION_DT	Date/Time	8	From B01
ACTIVITY_TU_SEQ_NO	Number (Long)	4	From B01
FAIL_IND	Text	1	From B01
ACTION_CODE	Text	1	From B01

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Form B Table: EDT_HARVEST_RSLT

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
ACTIVITY_TU_ID	Text	3	Mapped
ACTIVITY_TU_SKEY	Number (Long)	4	Mapped
ACT_SYSTEM_VAR_CD	Text	3	From B01
ACT_CUT_PHASE_CD	Text	5	From B01
ACT_HARV_START_DT	Date/Time	8	From B01
ACT_DISTURBANC_ST	Text	3	From B01
RESERVE_TYPE_CD	Text	1	From B01
ACTION_CODE	Text	1	From B01

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Form B Table: EDT_PLANT_STCK_A LOT

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
ATU_ID	Text	3	ACTIVITY_TU_ID from ACTIVITY_TU
PLANT_STCK_SEQ_NO	Number (Integer)	2	Incrementing integer
SEEDLOT_NUMBER	Text	5	From B03
PLANTED_NUMBER	Number (Integer)	2	From B03
SILV_SPECIES_ST	Text	8	From B03
ACTION_CODE	Text	1	From B03

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Form C Table: EDT_FOREST_COVER

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
FOREST_COVER_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	Retrieved from Host
SILV_POLYGON_NO	Text	4	From C01
SILV_POLYGON_AREA	Number(Double)	8	From C01
FOR_COVER_LAYER_CD	Text	2	From C01
FOR_COVER_RANK_CD	Text	1	From C01
STOCKING_STATUS_CD	Text	3	From C01

STOCKING_TYPE_CD	Text	3	From C01
AVG_AGE	Number (Integer)	2	From C03
PLANTED_STOCK_AGE	Number (Integer)	2	From C03
AVG_HEIGHT	Number (Double)	8	From C03
REFERENCE_YEAR	Number (Integer)	2	From C03
SITE_CLASS_CODE	Text	1	From C03
TOTAL_STEMS_PER_HA	Number (Long)	4	From C03
WS_STEMS_PER_HA	Number (Long)	4	From C03
FG_STEMS_PER_HA	Number (Long)	4	From C03
CROWN_CLOSURE_PCT	Number (Integer)	2	From C03
TREE_SPECIES1_CD	Text	8	From C02
TREE_SPECIES1_PCT	Number (Integer)	2	From C02
TREE_SPECIES2_CD	Text	8	From C02
TREE_SPECIES2_PCT	Number (Integer)	2	From C02
TREE_SPECIES3_CD	Text	8	From C02
TREE_SPECIES3_PCT	Number (Integer)	2	From C02
TREE_SPECIES4_CD	Text	8	From C02
TREE_SPECIES4_PCT	Number (Integer)	2	From C02
TREE_SPECIES5_CD	Text	8	From C02
TREE_SPECIES5_PCT	Number (Integer)	2	From C02
BASAL_AREA	Number (Double)	8	From C03
SITE_INDEX_EST	Number (Single)	4	From C03
RESERVE_TYPE_CD	Text	1	From C03
FAIL_IND	Text	1	From C03
SITE_INDEX_SRCE_CD	Text	1	From C03

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Form C Table: EDT_FORHEALTH_RSLT

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
TIMBER_MARK	Text	6	With BLOCK, identifies a set of records
BLOCK	Text	10	With TIMBER_MARK, identifies a set of records
STRATA	Text	4	From C04
FOR_COVER_LAYER_CD	Text	2	From C04
FORHEALTH_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PEST_SPECIES_CD	Text	3	From C04
INCIDENCE_PCT	Number (Integer)	2	From C04

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Support Table: EDT_AUDIT_ACTION_CODE

FIELD	TYPE	SIZE	COMMENT
ACTION_CODE	Text	1	Identifies action to be performed
DESCRIPTION	Text	30	Description

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Support Table: EDT_AUDIT_HISTORY

FIELD	TYPE	SIZE	COMMENT
ID	Number(Long)	8	History Id
USER_ID	Text	8	User Identification
CLIENT_NO	Text	8	Client Location Number
CLIENT_LOCN_CD	Text	2	Client Location Code
FILE_NAME	Text	50	Name of File

ACTION_DATE	Date/Time	8	Date of Audit
TIMBER_MARK	Text	6	Timber Mark
CUT_BLOCK_ID	Text	10	Cut Block Identifier
ACTION_CODE	Text	1	Identifies action to be performed
DESCRIPTION	Text	2000	Description

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Support Table: EDT_FILE_REFERENCE

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number (Long)	4	Identifies records in data tables associated with a file
FILENAME	Text	50	Name of import file
APPROVED_IND	Text	1	Y or N
FILE_STATUS_CD	Text	3	File Status Code
TIMESTAMP	Text	50	Date/Time data was inserted into Oracle DB

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Support Table: EDT_IMPORT_HEADER

FIELD	TYPE	SIZE	COMMENT
FILE_REFERENCE_SKEY	Number(Long)	4	Associates record with a file
ORG_UNIT_CODE	Text	3	District Code for origin of file
CLIENT_NO	Text	8	Company Code for origin of file
CLIENT_LOCN_CD	Text	2	Client Location Code
PREPARED_BY	Text	35	Name of person who prepared the file
PHONE	Text	10	Phone Number
EMAIL	Text	35	Email address
BATCH_REF_DATE	Text	10	Reference Date
BATCH_REF_NUM	Text	10	Reference Number

IMP_TEXT_FILENAME	Text	200	Fully qualified path and name of import file
VALIDATION_IND	Text	1	Validation Indicator
BATCH_CENTRIC_IND	Text	1	Batch Centric Indicator

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Support Table: EDT_MLS_DIST_CLIENT_PREF

FIELD	TYPE	SIZE	COMMENT
ADMIN_DISTRICT_NO	Number(Long)	4	District Number
CLIENT_NO	Text	8	Client Number
CLIENT_LOCN_CD	Text	2	Client Location Code
MLS_CLIENT_AUTOLOAD_IND	Text	1	Y or N

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Support Table: EDT_MLS_DIST_PREF

FIELD	TYPE	SIZE	COMMENT
ADMIN_DISTRICT_NO	Number(Long)	4	District Number
MLS_EDT_AUTOLOAD	Text	1	Y or N
MOF_CC_EMAIL_ADDR	Text	50	Email address to CC

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Support Table: EDT_MLS_LICENCE_PREF

FIELD	TYPE	SIZE	COMMENT
ADMIN_DISTRICT_NO	Number(Long)	4	District Number
FOREST_FILE_ID	Text	10	Licence Number
MLS_EDT_AUTOLOAD	Text	1	Y or N

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Province of British Columbia, Ministry of Forests, Information Management Group
Send suggestions or comments to Web Administrator
July 12, 2000

Upload To SQL/DS Database

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Process Overview

The following is a list of links to diagrams for the MLS EDT upload process.

General:	
Mainline:	UploadForms() Function
Form A upload:	UploadFormA() Function
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Form A:	
Opening:	UploadOPENING() Function
Prescription:	UploadPRESCRIPTION() Function
Tenure:	UploadTENURE_PRESC() Function

Standards Prescription: UploadSTANDARDS_PRESC() Function
Ecological Information: UploadSU_ECOLOGY() Function
Stocking Layer: UploadSTOCKING_LAYER() Function
Forest Health: UploadFORHEALTH_PRESC() Function

Form B:

Activity Treamtment: UploadACTIVITY_TU() Function
Harvest Start Date: UploadHarvestStartDate() Function
Harvest Result: UploadHARVEST_RSLT() Function
Plant Stock Alottment: UploadPLANT_STCK_ALOT() Function

Form C:

Forest Cover: UploadFOREST_COVER() Function
Forest Health Result: UploadFORHEALTH_RSLT() Function
Land Status: UploadLAND_STATUS() Function

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DRDA Packages and Access Modules

Following is a list of DRDA packages and access modules used during the EDT Upload process.

PACKAGE	MODULE	DESCRIPTION
PHP_OPEN	OPENING_C0	Inserts a record in OPENING
	OPENING_S1	Selects an OPENING record
SIL_SKEY	MAX_OPN_SKEY_S0	Selects MAX(OPENING_SKEY)
	MAX_OPN_SKEY_U0	Updates MAX(OPENING_SKEY)
	MAX_FH_SKEY_S0	Selects MAX(FORHEALTH_SKEY)
	MAX_FH_SKEY_U0	Updates MAX(FORHEALTH _SKEY)
	MAX_ATU_SKEY_S0	Selects MAX(ACTIVITY_TU_SKEY)
	MAX_ATU_SKEY_U0	Updates MAX(ACTIVITY_TU _SKEY)
	MAX_FCO_SKEY_S0	Selects MAX(FOREST_COVER_SKEY)
	MAX_FCO_SKEY_U0	Updates MAX(FOREST_COVER _SKEY)

PHP_STDP	SU_S0	Selects a STANDARDS_PRESC record
	SU_U0	Updates a STANDARDS_PRESC record
	SU_C0	Inserts a STANDARDS_PRESC record
PHP_PRSC	PRESCRIPTION_S0	Selects a PRESCRIPTION record
	PRESCRIPTION_U0	Updates a PRESCRIPTION record
	PRESCRIPTION_C0	Inserts a PRESCRIPTION record
MLS_CBLK	CUT_BLOCK_C1	Inserts a CUT_BLOCK record
PHP_TENP	TENURE_D0	Deletes a TENURE_PRESC record
	TENURE_C0	Inserts a TENURE_PRESC record
	TENURE_S2	Selects OPENING_SKEY & PRESCRIPTION_NO from TENURE_PRESC
MLS_PABK	PRMT_AUTHZD_C0	Inserts a PRMT_AUTHZD_BLK record
PHP_SKEY	MAX_STD_SKEY_S0	Selects MAX(STOCKING_SKEY)
	MAX_STD_SKEY_U0	Updates MAX(STOCKING_SKEY)
	MAX_ECO_SKEY_S0	Selects MAX(ECO_STRATA_SKEY)
	MAX_ECO_SKEY_U0	Updates MAX(ECO_STRATA_SKEY)
PHP_ECOL	ECOLOGY_C0	Inserts an SU_ECOLOGY record
PHP_STLA	STCKING_LYR_DO	Deletes a STOCKING_LAYER record
	STCKING_LYR_CO	Inserts a STOCKING_LAYER record
PHP_FORP	FORHEALTH_D0	Deletes a FORHEALTH_PRESC record
	FORHEALTH_C0	Inserts a FORHEALTH_PRESC record
PHP_RSVP	PHP_RSVP.RESERVE_C0	Inserts a RESERVE_PRESC record
	PHP_RSVP.SU_RSV_LNK_C0	Inserts a SU_RESERVE_LNK record
ISS_ATU	ACTIVITY_TU_C0	Inserts an ACTIVITY_TU record
	ACTIVITY_TU_S8	Selescs an ACTIVITY_TU record
ISS_PLNT	PLANT_RSLT_C1	Inserts a PLANTING_RSLT record

MLS_PRRS	PRUNING_RS_C1	Inserts a PRUNING_RSLT record
MLS_JSRS	JUVNILE_RS_C1	Inserts a JUVNILE_SP_RSLT record
MLS_FERS	FERTILIZER_R_C1	Inserts a FERTILIZER_RSLT record
MLS_BRRS	BRUSHING_RS_C1	Inserts a BRUSHING_RSLT record
MLS_SPRS	SITE_PREP_RS_C1	Inserts a SITE_PREP_RSLT record
MLS_HARV	HARVEST_RSLT_CO	Inserts a HARVEST_RSLT record
	HARVEST_RSLT_U0	Updates a HARVEST_RSLT record
	HARVEST_RSLT_D0	Deletes a HARVEST_RSLT record
ISS_PLST	PLANT_STCK_C0	Inserts a PLANT_STCK_ALOT record
	PLANT_STCK_D0	Deletes a PLANT_STCK_ALOT record
MLS_FCO	FOREST_COVER_S1	Selectsa FOREST_COVER record
	FOREST_COVER_C0	Inserts a FOREST_COVER record
	FOREST_COVER_D1	Deletes a FOREST_COVER record
MLS_FHR	FORHEALTH_RS_C0	Inserts a FORHEALTH_RSLT record
MLS_LAND	MLS_LAND.LAND_STATUS_D0	Deletes a LAND_STATUS record
	MLS_LAND.LAND_STATUS_C0	Inserts a LAND_STATUS record

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Uploading data to ISIS

Following are the table definitions as they appear in ISIS, showing where the MLSIS-EDT data gets stored and default values.

Form A Table: OPENING

FIELD	TYPE	SIZE	COMMENTS
OPENING_SKEY	Number (Long)	4	System generated value to uniquely identify
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01

ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01
MAPSHEET_GRID	Text	3	From A01
MAPSHEET_LETTER	Text	1	From A01
MAPSHEET_SQUARE	Text	3	From A01
MAPSHEET_QUAD	Text	1	From A01
MAPSHEET_SUB_QUAD	Text	1	From A01
OPENING_NUMBER	Text	4	From A01
OPENING_LOCN_NAME	Text	30	Set to Timber Mark
COMMUNITY_WS_IND	Text	1	Set to " " - Check host reaction
OPENING_XREF	Text	15	Set to " "
OPENING_GROSS_AREA	Number (Double)	8	Set to Prescription.TAUP_AREA
MEASURE_METHOD_CD	Text	1	Set to " "
TREATMNT_REGIME_ID	Text	2	Set to " "
DIST_ADMIN_ZONE	Text	2	Set to " "
DISTRICT_LOCN1_ID	Text	2	Set to " "
DISTRICT_LOCN2_ID	Text	2	Set to " "
TSA_NUMBER	Text	2	Set to " "
TSB_NUMBER	Text	3	Set to " "
SILV_FUND_SRCE_CD	Text	3	Set to "IA"
RESPONSIBILITY_CD	Text	1	Set to "L"
SP_EXEMPT_IND	Text	1	Set to "N"
SEED_PLAN_ZONE_CD	Text	3	Set to " "
UTM_ZONE	Number (Integer)	2	Set to "0"
UTM_EASTING	Number (Long)	4	Set to "0"

UTM_NORTHING	Number (Long)	4	Set to "0"
NAD_DATUM_CD	Text	2	Set to "83"
LATITUDE_DEGREES	Number (Integer)	2	Set to "0"
LATITUDE_MINUTES	Number (Integer)	2	Set to "0"
LONGITUDE_DEGREES	Number (Integer)	2	Set to "0"
LONGITUDE_MINUTES	Number (Integer)	2	Set to "0"
PRUNE_HT_OBJECTIVE	Number (Double)	8	Set to "0"
NSR_CATEGORY_CD	Text	4	Set to " "
GEO_DISTRICT_NO	Number (Integer)	4	Retrieved from H01.
UPDATE_USERID	Text	8	Set to Current User
UPDATE_TIMESTAMP	Timestamp	26	Set to Current Time Stamp
ENTRY_USERID	Text	8	Set to Current User
PHOTO_LINE_NUMBERS	Text	55	Set to " "
ENTRY_TIMESTAMP	Timestamp	26	Set to Current Time Stamp

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Form A Table: PRESCRIPTION

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Long)	4	Defaulted to 1
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01
ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01

OPENING_CATEGORY_CD	Text	7	From A01
OPENING_ORIGIN_CD	Text	3	Set to "HAR"
PRESCRIPTN_STS_ST	Text	3	Set to "APP"
PRESC_TYPE_CD	Text	4	Set to "SP"
PRESC_ACTIVE_CD	Text	4	Set to "ACT"
SALE_DATE	Text	10	Calculated from FTAS
ACT_SALE_DATE_IND	Text	1	Set to "Y"
DISTURBANCE_DATE	Text	10	Set to 9999-12-31
DISTURBANCE_CD	Text	1	Set to "L"
SILV_START_DATE	Text	10	Set to 9999-12-31
SILV_START_DATE_ID	Text	1	Set to "D"
HARVEST_OFFSET_YRS	Number (Integer)	2	From A01, set to 1 if blank
VQO_RATING_CD	Text	2	Set to " "
REC_SIGNIFICANC_ST	Text	2	Set to " "
REC_FEATURE_CODE1	Text	2	Set to " "
REC_FEATURE_CODE2	Text	2	Set to " "
REC_FEATURE_CODE3	Text	2	Set to " "
REC_MGMNT_CLASS_CD	Text	1	Set to " "
REC_SPECTRUM_CD	Text	4	Set to " "
PERMNT_ACCESS_PCT	Number (Double)	8	From A01
PERMNT_ACCESS_IND	Text	1	Set to "Y"
SCENIC_AREA_IND	Text	1	Set to "N"
ADVERTIZE_FLAG_IND	Text	1	Set to "N"
CLS_GULLY_SPACE_IND	Text	1	Set to "N"

TAUP_AREA	Number (Double)	8	From A01
PERMNT_ACCESS_AREA	Number (Double)	8	From A01
NP_OTHER_AREA	Number (Double)	8	From A01
NC_AREA	Number (Double)	8	From A01
IMM_AREA	Number (Double)	8	From A01
PREV_TYPE_IDENT_CD	Text	3	From A01
PREV_TREE_SPP1_ST	Text	4	From A01
PREV_TREE_SPP2_ST	Text	4	From A01
PREV_AGE_CLASS_CD	Text	1	From A01
PREV_HGHT_CLASS_CD	Text	1	From A01
PREV_STCK_CLASS_CD	Text	1	From A01
PREV_SITE_INDEX	Number (Integer)	2	From A01
DEO_DATE	Text	10	Set to "9999-12-31"
DEO_OPR_WIND_IND	Text	1	Set to "N"
DEO_OPR_SAN_IND	Text	1	Set to "N"
DEO_OPR_FISH_IND	Text	1	Set to "N"
DEO_OPR_OTHER_IND	Text	1	Set to "N"
SEALED_RPF_NUMBER	Text	4	Set to " "
SEALED_RPF_DATE	Text	10	Set to "9999-12-31"
APP_ENT_BY_USERID	Text	8	Set to Current User
APPROVE_DATE	Text	10	From A01
AMENDMENT_IND	Text	1	Set to "N"

REGEN_DELAY_OFFSET	Number (Integer)	2	Largest Value from Standards Presc
REGEN_DELAY_DATE	Text	10	Set to "9999-12-31"
REGEN_IND	Text	1	Set to "N"
REGEN_DATE	Text	10	Set to "9999-12-31"
REGEN_USERID	Text	8	Set to " "
EARLY_FG_OFFSET	Number (Integer)	2	Largest value from Standards Presc
EARLY_FG_DATE	Text	10	Set to "9999-12-31"
LATE_FG_OFFSET	Number (Integer)	2	Largest value from Standards Presc
LATE_FG_DATE	Text	10	Set to "9999-12-31"
FREE_GROW_IND	Text	1	Set to "N"
FREE_GROW_DATE	Text	10	Set to "9999-12-31"
FREE_GROW_USERID	Text	8	Set to current user
UPDATE_USERID	Text	8	Set to current user
UPDATE_TIMESTAMP	Timestamp	26	Set to current timestamp
FIELD_WORKER_NAME	Text	30	Set to " "
TERRAIN_STABILITY	Text	55	Set to " "
DEO_NAME	Text	30	Set to " "
SEALED_RPF_NAME	Text	30	Set to " "
APPROVE_BY_NAME	Text	30	Set to "District Manager"
NP_ROCK_AREA	Number (Double)	8	From A07
NP_WATER_AREA	Number (Double)	8	From A07
NP_SWAMP_AREA	Number (Double)	8	From A07

OTHER_AREA	Number (Double)	8	From A07
OTHER_AREA_DESC	Text	30	Set to " "
LIVESTOCK_MGNT-IND	Text	1	Set to "N"
REHAB_DO_OFFSET	Number (Integer)	2	Set to "0"
VIS_IMP_ASSESS_IND	Text	1	Set to "N"
RIP_ASSESS_IND	Text	1	Set to "N"
GULLY_ASSESS_IND	Text	1	Set to "N"
FORHLTH_ASSESS_IND	Text	1	Set to "N"
ARCHAEO_ASSESS_IND	Text	1	Set to "N"
TER_STB_ASSESS_IND	Text	1	Set to "N"
TOTAL_RES_AREA	Text	1	From A07
SILVRX_UPDATE_IND	Text	1	Set to "N"
SILVRX_ENTRY_IND	Text	1	Set to "N"
ENTRY_USERID	Text	8	Set to current user
ENTRY_TIMESTAMP	Timestamp	26	Set to current timestamp

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Form A Table: CUT_BLOCK

FIELD	TYPE	SIZE	COMMENT
FOREST_FILE_ID	Text	10	From A02
CUTTING_PERMIT_ID	Text	3	From A02
CUT_BLOCK_ID	Text	10	From A02
TIMBER_MARK	Text	7	From A02
BLOCK_STATUS_ST	Text	3	Set to "SP"

BLOCK_STATUS_DATE	Date	10	Set to Current Date
EST_GROSS_BLK_AREA	Number (Double)		Set to Taup Area in Prescription
CUR_GROSS_BLK_AREA	Number (Double)		Set to Taup Area in Prescription
EST_NET_BLK_AREA	Number (Double)		Set to EST_NET_BLK_AREA in Prescription
CUR_NET_BLK_AREA	Number (Double)		Set to EST_NET_BLK_AREA in Prescription
SP_EXEMPT_IND	Text	1	Set to "N"

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Form A Table: TENURE_PRESC

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Defaults to 1
TENURE_CNT	Number (Integer)	2	Calculated. Starts at 1 and increments by 1.
FOREST_FILE_ID	Text	10	From A02
CUTTING_PERMIT_ID	Text	3	From A02
CUT_BLOCK_ID	Text	10	From A02
TIMBER_MARK	Text	7	From A02
TENURE_PRESC_AREA	Number (Double)	8	From A02
TENURE_NET_AREA	Number (Double)	8	From A02
OLD_LICENCE_IND	Text	1	Default to "N"
PRIME_LICENCE_IND	Text	1	Y or N, default to "Y" if blank
REVISION_COUNT	Text	2	Default to 1

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Form A Table: STANDARDS_PRESC

FIELD	TYPE	SIZE	COMMENT
STOCKING_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Default to 1
STANDARDS_UNIT_ID	Text	1	From A03
SILV_SYSTEM_SKEY	Number (Long)	4	Set to "0"
TREATABLE_AREA	Number (Double)	8	From A03
REGEN_METHOD_CD	Text	5	From A03
REGEN_DELAY_YEARS	Number (Integer)	2	From A03
EARLY_FG_YEARS	Number (Integer)	2	From A03
LATE_FG_YEARS	Number (Integer)	2	From A03
MAX_SOIL_PRE_PCT	Number (Double)	8	Set to "0"
MAX_SOIL_PRE_IND	Text	1	Set to "N"
MAX_SOIL_POST_PCT	Number (Double)	8	From A03
MAX_SOIL_POST_IND	Text	1	Defaulted to Y
MAX_FLOOR_DISP_PCT	Number (Double)	8	From A03
MAX_FLOOR_DISP_IND	Text	50	Defaulted to Y
FOR_FLOOR_REMAIN	Number (Integer)	2	From A03
MAX_TEMP_ACC_PCT	Number (Double)	8	Set to "0"
MAX_TEMP_ACC_IND	Text	1	Set to "N"
TO_BE_REHAB_PCT	Number (Double)	8	Set to "0"
TO_BE_REHAB_IND	Text	1	Set to "N"
SITE_PREP_TECH_ST	Text	2	Set to "N"
SEDIMENT_DELVRY_ST	Text	2	Set to "N"

LAND_SLIDE_HZD_ST	Text	2	Set to "N"
MASS_WAST_HZD_ST	Text	2	Set to "N"
COMPACTION_HZD_ST	Text	2	Set to "N"
SURF_EROSN_HZD_ST	Text	2	Set to "N"
DISPLACEMNT_HZD_ST	Text	2	Set to "N"
FLOOR_DISP_HZD_ST	Text	2	Set to "N"
WINDTHROW_HZD_ST	Text	2	Set to "N"
SU_REGEN_IND	Text	1	Set to "N"
SU_REGEN_USERID	Text	8	Set to " "
SU_REGEN_DATE	Text	10	Set to "9999-12-31"
SU_FREE_GROW_IND	Text	1	Set to "N"
SU_FREE_GROW_DATE	Text	10	Set to "9999-12-31"
SU_FREE_GRW_USERID	Text	8	Set to " "
REVISION_COUNT	Number (Integer)	2	Set to "1"

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Form A Table: SU_ECOLOGY

FIELD	TYPE	SIZE	COMMENT
ECO_STRATA_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	Retrieved from Host
STRATUM_ID	Text	1	From A04
EDATOPIC_MOIST1_CD	Text	1	Set to " "

EDATOPIC_MOIST2_CD	Text	1	Set to " "
EDATOPIC_NUT1_CD	Text	1	Set to " "
EDATOPIC_NUT2_CD	Text	1	Set to " "
BGC_ZONE	Text	4	From A04
BGC_SUBZONE	Text	3	From A04
BGC_VARIANT	Text	1	From A04
BGC_PHASE	Text	1	From A04
BGC_SITE_SERIES	Text	2	From A04
BGC_SITE_TYPE	Text	2	From A04
ECO_STRATA_AREA	Number (Double)	8	Set to "0"
ELEVATION_MIN	Number (Integer)	2	Set to "0"
ELEVATION_MIN_IND	Text	1	Set to "N"
ELEVATION_MAX	Number (Integer)	2	Set to "0"
ELEVATION_AVG	Number (Integer)	2	From A04
ELEVATION_AVG_IND	Text	1	Defaulted to Y, set "N" if not supplied
ASPECT_CODE	Text	2	From A04
SLOPE_MIN	Number (Integer)	2	Set to "0"
SLOPE_MIN_IND	Text	1	Set to "N"
SLOPE_MAX	Number (Integer)	2	Set to "0"
SLOPE_MAX_IND	Text	1	Set to "N"
SLOPE_AVG	Number (Integer)	2	Set to "0"
SLOPE_AVG_IND	Text	1	Set to "N"
SLOPE_POSITION_CD	Text	1	Set to " "
PARENT_MATERIAL_CD	Text	2	Set to " "

SURF_TEXTURE_CD	Text	4	Set to " "
SUBSURF_TEXT_CD	Text	4	Set to " "
MIN_CRSE_FRAG_PCT	Number (Integer)	2	Set to "0"
MAX_CRSE_FRAG_PCT	Number (Integer)	2	Set to "0"
MIN_DPTH_UNFAV_SUBS	Number (Integer)	2	Set to "0 "
MAX_DPTH_UNFAV_SUBS	Number (Integer)	2	Set to "0"
MIN_DPTH_RESTR_LYR	Number (Integer)	2	Set to "0"
MAX_DPTH_RESTR_LYR	Number (Integer)	2	Set to "0"
RESTRICT_TYPE_CD	Text	2	Set to " "
MIN_DPTH_HIGH_WTR	Number (Integer)	2	Set to "0"
MAX_DPTH_HIGH_WTR	Number (Integer)	2	Set to "0"
SEEPAGE_IND	Text	1	Set to " "
HUMUS_FORM_CD	Text	3	Set to " "
MIN_HUMUS_DEPTH	Number (Integer)	2	Set to "0"
MAX_HUMUS_DEPTH	Number (Integer)	2	Set to "0"
LAND_FORM_CD	Text	1	Set to " "
REVISION_COUNT	Number (Integer)	2	Set to "1"

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Form A Table: STOCKING_LAYER

FIELD	TYPE	SIZE	COMMENT
STOCKING_SKEY	Number (Long)	4	from mapping SU_ID
STOCKING_LAYER_ST	Text	2	From A05
OPENING_SKEY	Number (Long)	4	Retrieved from Host

PRESCRIPTION_NO	Number (Integer)	2	Default to 1
PREF_TREE_SPP1_ST	Text	8	From A05
PREF_TREE_SPP2_ST	Text	8	From A05
PREF_TREE_SPP3_ST	Text	8	From A05
PREF_TREE_SPP4_ST	Text	8	From A05
PREF_TREE_SPP5_ST	Text	8	From A05
PREF_TREE_SPP6_ST	Text	8	From A05
PREF_MIN_HGHT1	Number (Double)	8	Set to "0"
PREF_MIN_HGHT2	Number (Double)	8	Set to "0"
PREF_MIN_HGHT3	Number (Double)	8	Set to "0"
PREF_MIN_HGHT4	Number (Double)	8	Set to "0"
PREF_MIN_HGHT5	Number (Double)	8	Set to "0"
PREF_MIN_HGHT6	Number (Double)	8	Set to "0"
ACC_TREE_SPP1_ST	Text	8	From A05
ACC_TREE_SPP2_ST	Text	8	From A05
ACC_TREE_SPP3_ST	Text	8	From A05
ACC_TREE_SPP4_ST	Text	8	From A05
ACC_TREE_SPP5_ST	Text	8	From A05
ACC_TREE_SPP6_ST	Text	8	From A05
ACC_MIN_HGHT1	Number (Double)	8	Set to "0"
ACC_MIN_HGHT2	Number (Double)	8	Set to "0"
ACC_MIN_HGHT3	Number (Double)	8	Set to "0"
ACC_MIN_HGHT4	Number (Double)	8	Set to "0"
ACC_MIN_HGHT5	Number (Double)	8	Set to "0"

ACC_MIN_HGHT6	Number (Double)	8	Set to "0"
MAX_DENSITY	Number (Long)	4	From A05
MIN_POST_SPACING	Number (Long)	4	Set to "0"
MAX_POST_SPACING	Number (Long)	4	Set to "0"
TARGET_STOCKING	Number (Integer)	2	From A05
MIN_STOCKING	Number (Integer)	2	From A05
MIN_PREF_STOCKING	Number (Integer)	2	From A05
MIN_HRZNTL_SPACING	Number (Double)	8	From A05
MIN_RES_BASAL_AREA	Number (Integer)	2	From A05
MAX_RES_BASAL_AREA	Number (Integer)	2	Set to MIN_RES_BASAL_AREA
TREE_SIZE	Number (Integer)	2	From A05
TREE_SIZE_UNIT_ST	Text	3	From A05

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Form A Table: FORHEALTH_PRESC

FIELD	TYPE	SIZE	COMMENT
FORHEALTH_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Default to 1
STOCKING_SKEY	Number (Long)	4	by mapping SU_ID
STOCKING_LAYER_ST	Text	2	From A06
PEST_SPECIES_CD	Text	3	From A06
MIN_INCIDENCE_PCT	Number (Integer)	2	Set to "0"
MAX_INCIDENCE_PCT	Number (Integer)	2	From A06

INCIDENCE_AREA	Number (Double)	8	Set to "0"
EXPECTED_FUTHZD_ST	Text	2	Set to " "
REVISION_COUNT	Number (Integer)	2	Set to "1"
HAZARD_ACTION_CMT	Text	254	Set to " "
NEW_AGENT_CMT	Text	254	Set to " "

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Form A Table: RESERVE_PRESC

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
PRESCRIPTION_NO	Number (Integer)	2	Default to 1
RESERVE_ID	Text	2	From A08
RESERVE_TYPE_CD	Text	1	From A08
RESERVE_CAT_CD	Text	1	Set to " "
PLANNED_ENTRY_IND	Text	1	From A08
RESERVE_AREA	Number (Double)	7,1	From A08
MIN_NON_RMZ_BASAL	Number (Integer)	4	Set to "0"
MAX_NON_RMZ_BASAL	Number (Integer)	4	Set to "0"
MIN_RMZ_BASAL	Number (Integer)	4	Set to "0"
MAX_RMZ_BASAL	Number (Integer)	4	Set to "0"
RESERVE_OBJ1_CD	Text	3	Set to " "
RESERVE_OBJ2_CD	Text	3	Set to " "
RESERVE_CMT	Text	254	Set to " "

REVISION_COUNT	Number (Integer)	2	Set to 1

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Form B Table: ACTIVITY_TU

FIELD	TYPE	SIZE	COMMENT
ACTIVITY_TU_SKEY	Number (Long)	4	Retrieved from Host
ADMIN_DISTRICT_NO	Number (Long)	4	Retrieved from H01
ADMIN_REGION_NO	Number (Long)	4	Retrieved from H01
OPENING_SKEY	Number (Long)	4	Retrieved from Host
ACTIVITY_TU_ID	Text	3	Set to last 2 digits of ACTIVITY_TU_SEQ_NO, Looked up from Host.
ACTIVITY_TU_SEQ_NO	Number (Integer)	2	Increment from last value (last value from Host)
SILV_BASE_CODE	Text	2	From B01, B02
PLND_TECHNIQUE_CD	Text	2	Set to Actual Value From B01, B02
ACT_TECHNIQUE_CD	Text	2	From B01, B02
PLND_METHOD_CD	Text	5	Set to Actual Value From B01, B02
ACT_METHOD_CODE	Text	5	From B01 or B02
SILV_OBJECTIVE1_CD	Text	3	From B02
SILV_OBJECTIVE2_CD	Text	3	From B02
SILV_OBJECTIVE3_CD	Text	3	From B02
PLND_FUND_SRCE_CD	Text	3	Set to "IA"
ACT_FUND_SRCE_CD	Text	3	From B01, B02
PLND_TOTAL_COST	Number (Double)	8	Set to "0"
ACT_ONSITE_COST	Number (Double)	8	Set to "0"

PLND_TRTMNT_AMT	Number (Double)	8	Set to "0"
ACT_TRTMNT_AMT	Number (Double)	8	From B01, B02
PLND_PLANTED_NO	Number (Integer)	2	Set to "0"
ACT_PLANTED_NO	Number (Integer)	2	Set to sum of Planted_No If Base = PL
PLND_SURVEY_PLOTS	Number (Integer)	2	Set to "0"
ACT_SURVEY_PLOTS	Number (Integer)	2	Set to "0"
ACTIVITY_UNIT_ST	Text	3	Set to "HA"
ATU_PRIORITY_ST	Text	2	Set to "M"
ATU_RELIABILITY_ST	Text	2	Set to "M"
FIVE_YEAR_IND	Text	1	Set to "N"
ORIGINAL_PLND_YEAR	Number (Integer)	2	Set to Year(Completion Date)
PLANNED_DATE	Date	10	Set to Completion Date
ATU_COMPLETION_DT	Date	10	From B01, B02
AUDIT_SELECTION_CD	Text	2	Set to " "
RESULTS_IND	Text	1	Set to "Y"
SILV_PROJECT_SKEY	Number (Long)	4	Set to "0"
SILV_PROJECT_ID	Text	13	Set to " "
SILV_PROJ_UNIT_ID	Text	3	Set to " "
UNIT_BID_PRICE	Number (Double)	8	Set to "0"
ENTRY_TIMESTAMP	Timestamp	26	Set to Current TimeStamp
ENTRY_USERID	Text	8	Set to Current User

UPDATE_TIMESTAMP	Timestamp	26	Set to Current TimeStamp
UPDATE_USERID	Text	8	Set to Current User
REVISION_COUNT	Number (Integer)	2	Set to "1"

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Form B Table: HARVEST_RSLT

FIELD	TYPE	SIZE	COMMENT
ACTIVITY_TU_SKEY	Number (Long)	4	Mapped
PLND_SYSTEM_VAR_CD	Text	3	Default to actual value from B01
ACT_SYSTEM_VAR_CD	Text	3	From B01
PLND_CUT_PHASE_CD	Text	5	Default to actual value from B01
ACT_CUT_PHASE_CD	Text	5	From B01
PLND_HARV_START_DT	Date	10	Default to actual value from B01
ACT_HARV_START_DT	Date	10	From B01
PLND_DISTURBANC_ST	Text	3	Default to actual value from B01
ACT_DISTURBANC_ST	Text	3	From B01
RESERVE_TYPE_CD	Text	1	From B01
UPDATE_TIMESTAMP	Timestamp	26	Set to current user
UPDATE_USERID	Text	8	Set to current timestamp

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Form B Table: PLANT_STCK_A LOT

FIELD	TYPE	SIZE	COMMENT
ACTIVITY_TU_SKEY	Number (Long)	4	Mapped

PLANT_STCK_SEQ_NO	Number (Integer)	2	Incrementing integer
REQUEST_SKEY	Number (Long)	4	Set to "0"
REQUEST_ID	Text	11	Set to " "
ITEM_ID	Text	1	Set to " "
SEEDLOT_NUMBER	Text	5	From B03
PLANTED_NUMBER	Number (Integer)	2	From B03
SILV_SPECIES_ST	Text	8	From B03
SEEDLING_CONTNR_CD	Text	4	Set to " "
SEEDLING_STKAGE_CD	Text	6	Set to " "
SEEDLING_STKTYP_CD	Text	3	Set to " "
SEEDLING_STORGE_CD	Text	1	Set to " "
NURSRY_CLI_NUMBER	Text	8	Set to " "
NURSRY_CLI_LOCN_CD	Text	2	Set to " "
PRICE_PER_TREE	Number (Double)	8	Set to "0"
BEST_FIT_LIFT_DATE	Date	10	Set to "9999-12-31"
PLANT_CONDITN1_CD	Text	2	Set to " "
PLANT_CONDITN1_PCT	Number (Integer)	2	Set to "0"
PLANT_CONDITN2_CD	Text	2	Set to " "
PLANT_CONDITN2_PCT	Number (Integer)	2	Set to "0"
PRICE_PER_TREE	Number (Double)	6,5	Set to "0"
UPDATE_USERID	Text	8	Set to current user
UPDATE_TIMESTAMP	Timestamp	26	Set to current timestamp

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Form C Table: FOREST_COVER

FIELD	TYPE	SIZE	COMMENT
FOREST_COVER_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	Default to 0
SILV_POLYGON_NO	Text	4	From C01
SILV_POLYGON_SUFIX	Text	1	Set to " "
SILV_POLYGON_AREA	Number (Double)	8	Set to C01
FREE_GROW_IND	Text	1	Set to "N"
FOR_COVER_LAYER_CD	Text	2	From C01
FOR_COVER_RANK_CD	Text	1	From C01
STOCKING_CLASS_CD	Text	1	Set to " "
STOCKING_STATUS_CD	Text	3	From C01
STOCKING_TYPE_CD	Text	3	From C01
AVG_AGE	Number (Integer)	2	From C03
MIN_AGE_RANGE	Number (Integer)	2	Set to "0"
MAX_AGE_RANGE	Number (Integer)	2	Set to "0"
PLANTED_STOCK_AGE	Number (Integer)	2	From C03
AVG_HEIGHT	Number (Double)	8	From C03
REFERENCE_YEAR	Number (Integer)	2	From C03
SITE_INDEX_SRCE_CD	Text	1	From C03
DBH_LIMIT_CD	Text	1	Set to " "
TOTAL_STEMS_PER_HA	Number (Long)	4	From C03
WS_STEMS_PER_HA	Number (Long)	4	From C03

VOLUME_ADJ_FACTOR	Number (Double)	8	Set to "0"
FG_STEMS_PER_HA	Number (Long)	4	From C03
CROWN_CLOSURE_PCT	Number (Integer)	2	From C03
DATA_SRCE_CLASS_CD	Text	2	Set to " "
DATA_SRCE_ORIGN_CD	Text	1	Set to " "
TREE_SPECIES1_CD	Text	8	From C02
TREE_SPECIES1_PCT	Number (Integer)	2	From C02
TREE_SPECIES2_CD	Text	8	From C02
TREE_SPECIES2_PCT	Number (Integer)	2	From C02
TREE_SPECIES3_CD	Text	8	From C02
TREE_SPECIES3_PCT	Number (Integer)	2	From C02
TREE_SPECIES4_CD	Text	8	From C02
TREE_SPECIES4_PCT	Number (Integer)	2	From C02
TREE_SPECIES5_CD	Text	8	From C02
TREE_SPECIES5_PCT	Number (Integer)	2	From C02
BASAL_AREA	Number (Double)	8	From C03
SITE_INDEX	Number (Single)	4	From C03
RESERVE_TYPE_CD	Text	1	From C02
FOR_CVR_CONST_SKEY	Number (Long)	4	Set to "0"
UPDATE_TIMESTAMP	Timestamp	26	Set to current timestamp
UPDATE_USERID	Text	8	Set to current user

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Form C Table: FORHEALTH_RSLT

FIELD	TYPE	SIZE	COMMENT

FORHEALTH_SKEY	Number (Long)	4	Retrieved from Host
OPENING_SKEY	Number (Long)	4	Retrieved from Host
STOCKING_SKEY	Number (Long)	4	Set to "0"
OBSERVATION_DATE	Date	10	Set to current year of C03||"01"||"01"
SILV_POLYGON_NO	Text	4	From C04
FOR_COVER_LAYER_CD	Text	2	From C04
SILV_BASE_CODE	Text	2	Set to "SU"
SILV_TECHNIQUE_CD	Text	2	Set to "FH"
SILV_METHOD_CODE	Text	5	Set to " "
PEST_SPECIES_CD	Text	3	From C04
INCIDENCE_PCT	Number (Integer)	2	From C04
INCIDENCE_IND	Text	1	Defaulted to Y
INCIDENCE_AREA	Number (Double)	8	Set to 0
REVISION_COUNT	Number (Integer)	2	Set to 1

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Form C Table: LAND_STATUS

FIELD	TYPE	SIZE	COMMENT
OPENING_SKEY	Number (Long)	4	Retrieved from Host
STATUS_DATE	DATE	4	Current Date
NP_UNN_AREA	Number (Double)	7,1	Calculated from Forest Cover
NP_NAT_AREA	Number (Double)	7,1	Calculated from Forest Cover
NP_FOR_AREA	Number (Double)	7,1	Calculated from Forest Cover

NSR_NPL_AREA	Number (Double)	7,1	Calculated from Forest Cover
NSR_NAT_AREA	Number (Double)	7,1	Calculated from Forest Cover
NSR_PL_AREA	Number (Double)	7,1	Calculated from Forest Cover
SR_ART_AREA	Number (Double)	7,1	Calculated from Forest Cover
SR_NAT_AREA	Number (Double)	7,1	Calculated from Forest Cover
FG_NORM_AREA	Number (Double)	7,1	Calculated from Forest Cover
NC_BR_AREA	Number (Double)	7,1	Calculated from Forest Cover
MAT_AREA	Number (Double)	7,1	Calculated from Forest Cover
REVISON_COUNT	Number Integer	1	Set to 1

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MLSIS-EDT Validations

- Form A Validations
- Form B Validations
- Form C Validations

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Form A Validations

Record A01 Mandatory

- TIMBER MARK Mandatory
  - Error 2000: Must be present in ASCII Data file
  - If present in A02, A03, A04, A05, A06 record, a corresponding A01 must be present
  - Must exist in FTAS, in L.TIMBER_MARK
  - Must be valid for the district specified in H01 record
- BLOCK Mandatory
  - Must be present in ASCII Data file
  - If present in A02, A03, A04, A05, A06 record, a corresponding A01 must be present (in conjunction with Timber Mark)
  - Must NOT exist in ISIS, in L.TENURE_PRESC (in conjunction with Timber Mark)
  - Must be valid for the district specified in H01 record (in conjunction with Timber Mark)
  - Warning if Block already exists in FTAS
- MAPSHEET GRID Optional
  - Error 2001: Values are 82, 83, 92, 93, 94, 102, 103, 104, 105, 114.
- MAPSHEET LETTER Optional
  - Error 2001: Values are A - P, and W.
- MAPSHEET SQUARE Optional
  - Error 2001: BCGS NUMBER values are 1-100
  - Error 2001: NTG NUMBER values are 1-16 with NTG LETTER values A - H, and W.
- MAPSHEET QUAD Optional
  - Error 2001: Blank if NTG number value entered
  - Error 2001: 0 - 4 if BCGS number entered.
- MAPSHEET SUBQUAD Optional
  - Error 2001: Blank if NTG number value entered
  - Error 2001: 0 - 4 if BGCS number entered.
- OPENING NUMBER Optional
  - Error 2002: Cannot be duplicate in Opening table if present
- STAND TYPE Optional

- Must exist in CODELIST_TABLE for column name STAND_TYPE if present
- Must not be duplicates

- PREVIOUS TREE SPECIES 1 CODE Optional
  - Must exist in CODELIST_TABLE for column name TREE_SPECIES if present
- PREVIOUS TREE SPECIES 2 CODE Optional
  - Must exist in CODELIST_TABLE for column name TREE_SPECIES if present
  - Error 2009: Duplicate previous tree species not valid
- PREVIOUS AGE CLASS CODE Optional
  - Must exist in CODELIST_TABLE for column name AGE_CLASS_CD if present
- PREVIOUS HEIGHT CLASS CODE Optional
  - Must exist in CODELIST_TABLE for column name HEIGHT_CLASS_CD if present
- PREVIOUS STOCK CLASS CODE Optional
  - Must exist in CODELIST_TABLE for column name STOCKING_CLASS_CD if present
- PREVIOUS SITE INDEX Optional
  - Must be a valid integer
- PERMANENT ACCESS Mandatory
  - Error 2008: Must be a valid Decimal number 0.0 to 99.9
- APPROVAL DATE Mandatory
  - Must be present in ASCII Data file
  - Must be in format YYYY-MM-DD or YYYY/MM/DD
  - Must be a valid date (0001-01-01 >= Approval Date <= 9998-12-31)
  - Error 2004: Date must not be a future date
- TOTAL AREA UNDER PRESCRIPTION Mandatory
  - Must be present in ASCII Data file
  - Error 2005: Must be greater than zero
- HARVEST OFFSET YEARS Optional
  - Default to one if blank
  - Zero is valid
- CUT BLOCK NET AREA Mandatory
  - Must be present in ASCII Data file
  - Error 2006: Must be greater than zero
  - Error 2007: Must be less than or equal to the TAUP
- OPEN_CATEGORY_CD Mandatory
  - Must be a valid code in CODE_LIST_TABLE.
  - Error 2095: Invalid Openin[illegible]ategory Code.

Record A02 Mandatory

- SYSTEM VALIDATION Mandatory
  - At least one record of type A02 must exist in ASCII data file for each A01 record
- TENURE_PRESC.TIMBER_MARK Mandatory
- TENURE_PRESC.CUT_BLOCK_ID Mandatory

- TENURE_PRESC.FOREST_FILE_ID Mandatory
- Must be a valid Licence Number in L.PROV_FOREST_USE
- TENURE_PRESC.CUTTING_PERMIT_ID Mandatory
  - Blank is valid
  - Licence No and Cutting Permit must be associated with the Timber Mark
  - Must be a valid Cutting Permit in L.TIMBER_MARK
- PRIME LICENCE INDICATOR Mandatory
  - Error 2062: Must be Y or N if exists
  - Error 2062: Can have only one Y if more than one A02 records exists with same TIMBER MARK / BLOCK
  - Error 2062: If only one A02 record exists default to "Y"
  - Error 2063: There must be one prime tenure for a given Timber Mark/Block
- MANAGED BY FOREST FILE ID (PRMT_AUTHZD_BLK) Optional
- MANAGED BY CUTTING PERMIT ID (PRMT_AUTHZD_BLK) Optional
- TENURE_PRESC_AREA Optional
  - Error 2151: Gross Harvest Area is not in the valid range of 0 to 9999.9.
- TENURE_NET_AREA Optional
  - Error 2152: Net Harvest Area is not in the valid range of 0 to 9999.9.

Record A03

- STANDARDS UNIT ID Mandatory
  - If present in A04, A05, A06 record, a corresponding A03 record must exist
- TREATABLE AREA Mandatory
  - Error 2057: Must be greater than or equal to zero
  - Must be less than TAUP
- REGEN METHOD CODE Optional
  - Must exist in CODELIST_TABLE for column name REGEN_METHOD if present
- REGEN DELAY YEARS Mandatory
  - Must be a valid integer
  - Zero is valid
  - Error 2109: Cannot be less than zero
- EARLY FG YEARS Mandatory
  - Must be a valid integer
  - Zero is valid
  - Error 2110: Cannot be less than zero
- LATE FG YEARS Mandatory
  - Must be a valid integer
  - Zero is valid
  - Error 2111: Cannot be less than zero
  - Error 2112: Late FG years must be > than Early FG years
- MAX ALLOWABLE TOTAL DISTURBANCE Mandatory

- Error 2058: Must be greater than or equal to zero
- MAX FOREST FLOOR DISPLACEMENT Optional
  - Error 2059: Must be greater than or equal to zero
- MAX FOREST FLOOR REDUCTION Optional
  - Error 2060: Must be greater than or equal to zero
  - Must be a valid integer

Record A04

- SYSTEM VALIDATION Mandatory
  - Error 2086: If an A05 record exists, there must be a corresponding A04 record
- ECO STRATUM ID Optional
  - Mandatory if more than one A04 records exist with same TIMBER MARK / BLOCK
  - Error 2082: Stratum ID must be unique within a TIMBER MARK/BLOCK/SU
- BGC ZONE Mandatory
  - Must exist in table BGC_ZONE (in conjunction with BGC SUBZONE)
  - BGC SUBZONE Mandatory
  - Must exist in table BGC_ZONE (in conjunction with BGC ZONE)
- BGC VARIANT Optional
- BGC PHASE Optional
- BGC SITE SERIES Optional
- BGC SITE TYPE Optional
- BGC ZONE, SUBZONE, VARIANT, PHASE, SITE SERIES, SITE TYPE Mandatory
  - Error 2080: Must be a valid combination (validated against local table BGC_ZONE)
- ELEVATION AVERAGE Optional
  - Error 2079: Must be >= 0
  - Must be a valid integer
- ASPECT CODE Optional
  - Must be a valid code if present
  - Must exist in CODELIST_TABLE for column name ASPECT_CODE

Record A05

If an A05 record exists there must exist a corresponding A04 record

- SYSTEM VALIDATION Mandatory
  - Error 2081: If an A04 record exists there must exist a corresponding A05 record
- STOCKING LAYER Mandatory
  - Error 2085: Must be unique within same Standard Unit
  - Blank is a valid value
  - Must be a valid code in " "
- TARGET STOCKING Mandatory
  - Error 2087: Must be greater than zero
- MINIMUM STOCKING Mandatory

- Error 2088: Must be greater than zero
- Must be a valid integer

- MINIMUM PREFERRED STOCKING Mandatory
  - Error 2089: Must be greater than zero
  - Must be a valid integer
- MINIMUM HORIZONTAL SPACING Mandatory
  - Error 2090: Must be greater than zero
- MINIMUM BASAL AREA Optional
  - Error 2091: Must be >= 0 if present
  - Must be a valid integer
- PREFERRED TREE SPECIES Mandatory
  - Error 2083: At least one preferred tree species is required
  - Must be a valid species code if present
  - Error 2084: Must be unique within a stocking layer
- ACCEPTABLE TREE SPECIES Optional
  - Must be a valid species code if present
  - Cannot have preferred species listed
  - No duplicates
- MAXIMUM DENSITY Mandatory
  - Error 2092: Must be greater than zero
  - Must be a valid integer
- TREE SIZE Mandatory
  - Must be a valid integer
  - Error 2093: Must be greater than zero
- TREE SIZE UNIT Optional
  - Must be a valid Unit code (cm, %) if unit value is present.

Record A06

- STANDARDS UNIT ID Mandatory
- STOCKING LAYER Mandatory
  - Error 2085: Must be unique within same Standard Unit
  - Blank is a valid value
- PEST SPECIES Optional
  - Must be a valid code in local table PEST_SPECIES
  - Mandatory if A06 record exists
  - Error 2067: Duplicate Species not allowed within TIMBER MARK/BLOCK/STRATA/LAYER
- PEST SPECIES PCT Optional
  - Error 2076: Must be a valid integer between 0 and 100
  - Error 2077: Mandatory if A06 record exists

Record A07

A07 Record is mandatory if A08 present.

Only 1 A07 allowed per Timber Mark/Block.

Sum of total NPR + NAR must equal Taup Area.

All fields defined as 9999.9.

- TIMBER MARK / BLOCK Mandatory
  - Error 2147: Only 1 A07 record is permitted per Timber Mark/Block.
- NC AREA Mandatory
  - Error 2132: NC Area is not in the valid rnage of 0 to 9999.9
- PERMANENT ACCESS AREA Mandatory
  - Error 2133: Permanent Access Area isnot in the valid range of 0 to 9999.9
- NP OTHER AREA Mandatory
  - Error 2134: NP Other Area is not in the valid range of 0 to 9999.9
- IMMATURE AREA Mandatory
  - Error 2135: Immature Area is not in the valid range of 0 to 9999.9
- NP ROCK AREA Mandatory
  - Error 2136: NP Rock Area is not in the valid range of 0 to 9999.9
- NP WATER AREA Mandatory
  - Error 2137: NP Water Area is not in the valid range of 0 to 9999.9
- NP SWAMP AREA Mandatory
  - Error 2138: NP Swamp Area is not in the valid range of 0 to 9999.9
- OTHER AREA Mandatory
  - Error 2139: Other Area is not in the valid range of 0 to 9999.9
- TOTAL RES AREA Mandatory

  Error 2140: Total Reserves Area is not in the valid range of 0 to 9999.9.

Record A08

A08 Record is optional.

If reserve lines are present then the sum of reserves with no harvesting must equal the reserves with no modifications in the A07 record.

The Sum of Reserves with no Harvesting must equal the Reserves With no Modifications in the A07 record.

- TIMBER MARK / BLOCK Mandatory
  - Error 2148: You may only have up to 50 A08 Records be Timber Mark / Block.
- RESERVE ID Mandatory
  - Reserve Id is mandatory and must be unique if A08 is present.
  - Error 2123: Reserve Id must be unique.
  - Error 2143: Reserve Id must be supplied.

- RESERVE TYPE Mandatory
  - Reserve Type Code must be validated aganst the Reserve Type in the Code Table.
  - Error 2124: Reserve Type Code is not valid, please provide a valid Reserve Type Code.
- RESERVE AREA Mandatory
  - Reserve Area or Basal Area are required.
  - Reserve Area must be in the range of 0 to 9999.9
  - Error 2126: Reserve Area is not in the valid range of 0 to 9999.9
- BASAL AREA Mandatory
  - Reserve Area or Basal Area are required.
  - Error 2128: Basal Area must be in the range of 0 to 999.
- PLANNED ENTRY INDICATOR Mandatory
  - When Planned Entry is "N" the SU's selected must not have area assigned to them.
  - Error 2129: When Planned Entry is "N" the SU's selected must not have area assigned to them.
- SU XREF Optional
  - Error 2127: SU Xref is required when Planned Entry field is "Y"

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Form B Validations

- SYSTEM VALIDATION Mandatory
  - Error 2014: The combination of ACTIVITY BASE/TECH/METHOD/COMPLETION DATE/NET AREA TREATED (in conjunction with Timber Mark/Block) must be unique
  - Error 3036: The combination of DN/TECH/METHOD/HARVEST COMPLETED DATE/GROSS BLOCK AREA (in conjunction with Timber Mark/Block) must be unique
  - Error 2015: A maximum of 50 activities are allowed for a Timber Mark/Block
  - All activities in Form B are appended (inserted) to the existing activities in SQL/DS for a Timber Mark/Block
  - If 2 or more B02 records exist of type "PL" and a B03 record is present, then both B02 and B03 must have an ACTIVITY_TU_ID.
- Record B01/B02 Mandatory
  - Either B01 or B02 records may be present, ie. A B02 record may exist with out a B01 record
  - B01 data pertains to harvesting activities
  - B02 data pertains to "other" silviculture activities
  - B03 data pertains to planting details
  - Error 2074: If a B03 record exists, a B02 must also be present

Record B01

- TIMBER MARK Mandatory
  - Must be present in ASCII Data file

- If present in B03 record, a corresponding B02 must be present
- Must exist in ISIS, in L.TENURE_PRESC
- Must be valid for the district specified in H01 record

- BLOCK Mandatory
  - Must be present in ASCII Data file
  - If present in B03 record, a corresponding B02 must be present (in conjunction with Timber Mark)
  - Must exist in ISIS, in L.TENURE_PRESC (in conjunction with Timber Mark)
  - Must be valid for the district specified in H01 record (in conjunction with Timber Mark)
- ACTIVITY TREATMENT UNIT Optional
  - Error 2010: If present, must be unique for the Timber Mark/Block in the B01 record and B02 record
  - If present in B03 record, a corresponding B02 must be present (in conjunction with Timber Mark)
  - If present in B03 record, the corresponding B02 must be a "PL" activity base
  - If present, must not already exist in L.ACTIVITY_TU for the Timber Mark/Block
  - If blank, field will be calculated by setting it to the last 2 digits of the ATU Sequence Number.
  - Remove leading spaces
- SILV SYSTEM Mandatory
  - Must be present if a B01 record is present
  - Must be a valid code in local table SILV_SYSTEM
- VARIANT Mandatory
  - Must be present if a B01 record is present
  - Must be a valid code in local table SILV_SYSTEM_VAR (note: blank is a valid code)
- CUT PHASE Mandatory
  - Must be present if a B01 record is present
  - Must be a valid code in local table SILV_CUT_PHASE
- SYSTEM/VARIANT/CUT PHASE Mandatory
  - Must be present if a B01 record is present
  - Error 2072: Must be a valid code in local table SILV_SYSTEM_XRF
- HARVEST START DATE Mandatory
  - Must be present if a B01 record is present
  - Must be a valid date (0001-01-01 >= Date <= 9998-12-31)
  - Error 2070: Must not be greater than today's date
- HARVEST COMPLETED DATE Mandatory
  - Must be present if a B01 record is present
  - Must be a valid date (0001-01-01 >= Date <= 9998-12-31)
  - Error 2012: Harvest Completion Date cannot be before the Harvest Start Date.
  - Error 2011: Must not be greater than today's date
- DISTURBANCE CODE Mandatory
  - Must be a valid code in local table DISTURBANCE_CODE
- RESERVE TYPE Optional
  - Must be a valid code in local table RESERVE_TYPE
- GROSS BLOCK AREA Mandatory

- Error 2013: Must be present (>0) if a B01 record is present
- Must be a valid real number

- ACTION CODE Mandatory
  - Add an Action Code to each line in the import file: I = Insert ("X" and " " will be treated as "I" - Insert) U = Update, D = Delete.
  - Error 2121: Action Code must be "I", "U", or "D".
  - Error 2122: If Action Code = "U" Then ATU Id must be present. Please provide an ATU Id.
  - Error 2124: If Action Code = "D" Then ATU Id must be present. Please provide an ATU Id.
  - Error 2145: The ATU must exist in ISIS.
  - Error 2146: The Silviculture Base Code cannot be changed.

Record B02

For TIMBER MARK / BLOCK see RECORD B01.

- ACTIVITY BASE Mandatory
  - Must be present if a B02 record is present
  - Must be a valid code in local table SILV_BASE
  - Set to 'DN' if B1 record
- ACTIVITY TECHNIQUE Optional
  - Must be a valid code in local table SILV_TECHNIQUE
  - Set to 'HV' if B1 record
- ACTIVITY METHOD Optional
  - Must be a valid code in local table SILV_METHOD
- ACTIVITY BASE/TECHNIQUE/METHOD Mandatory
  - Must be present if a B02 record is present
  - Must be a valid combination in host table L.SILV_ACTVTY_XRF
- OBJECTIVE (1..3) Optional
  - Must be a valid code in local table SILV_OBJECTIVE
  - Error 2113: Duplicate objectives not allowed
- FUNDING SOURCE Mandatory
  - Must be present if a B02 record is present
  - Must be a valid code in local table SILV_FUND_SRCE
- COMPLETED DATE Mandatory
  - Error 2073: Must be present if a B02 record is present
  - Must be a valid date (0001-01-01 >= Date <= 9998-12-31)
  - Must not be greater than today's date
- NET AREA TREATED Mandatory
  - Error 2013: Must be present (>0) if a B02 record is present
  - Must be a valid real number
- ACTION CODE Mandatory

- Add an Action Code to each line in the import file: I = Insert ("X" and " " will be treated as "I" - Insert) U = Update, D = Delete.
- Error 2121: Action Code must be "I", "U", or "D".
- Error 2122: If Action Code = "U" Then ATU Id must be present. Please provide an ATU Id.
- Error 2124: If Action Code = "D" Then ATU Id must be present. Please provide an ATU Id.
- Error 2145: The ATU must exist in ISIS.
- Error 2146: The Silviculture Base Code cannot be changed.

Record B03

For TIMBER MARK / BLOCK see RECORD B01.

- PLANTED NUMBER Mandatory
  - Must be present if a B03 record is present
  - Error 2099: Must be greater than 0
- SEEDLOT Mandatory
  - Must be present if a B03 record is present
  - Error 2100: Must exist in SPAR, L.SEED_LOT
- SPECIES Mandatory
  - Must be present if a B03 record is present
  - Must be a valid code in local table SILV_SPECIES
  - Error 2101: Must be a valid species for the seedlot

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Form C Validations

The following validations for TIMBER MARK and BLOCK pertain to Records C01 - C06. The validations for STRATA and LAYER pertain to Records C01 - C04

- SYSTEM VALIDATION Mandatory
  - If the Reference Year in ISIS, L.FOREST_COVER is > than the reference year in Form C, Form C will not be override the information upon upload to ISIS
  - Error 2051: A maximum of 100 rows (strata/layers) are allowed for a Timber Mark/Block
  - All strata in Form C replace (delete then insert) the existing strata in SQL/DS for a Timber Mark/Block
- TIMBER MARK Mandatory
  - Must be present in ASCII Data file
  - If present in C02, C03, C04 record, a corresponding C01 must be present
  - Must exist in ISIS, in L.TENURE_PRESC
  - Must be valid for the district specified in H01 record
- BLOCK Mandatory
  - Must be present in ASCII Data file
  - If present in C02, C03, C04 record, a corresponding C01 must be present (in conjunction with

Timber Mark)

- Must exist in ISIS, in L.TENURE_PRESC (in conjunction with Timber Mark)
- Must be valid for the district specified in H01 record (in conjunction with Timber Mark)

- STRATA Mandatory
  - Must be present in ASCII Data file
  - If present in C02, C03, C04 record, a corresponding C01 must be present (in conjunction with Timber Mark/Block)
  - No duplicates permitted unless layered stand
  - Values can be up to 4 digits or 4 letters
- LAYER Mandatory
  - Must be present in ASCII Data file (Note: Blank is a valid value)
  - If present in C02, C03, C04 record, a corresponding C01 must be present (in conjunction with Timber Mark/Block/Strata)
  - Must be a valid code in local table FOR_COVER_LAYER (blank is valid)
  - Layer will be blank for even aged stands
  - Error 2052: Must be unique within Timber Mark/Block/Strata combination
  - Error 2021: Cannot mix even age and un-even age layer numbers within the same strata (eg, 1 and S)
  - Error 2022: Cannot have a corresponding 'S' layer without a corresponding inventory layer

Record C01

- RANK Optional
  - Must be a valid code in local table FOR_COVER_RANK
  - Error 2053: Must be unique within Timber Mark/Block/Strata combination
  - Default to "1" if even aged stand (ie. Layer is blank) and Stocking Status is 'IMM' or 'MAT'
  - Error 2103: A rank code of "1" must be present for the Timber Mark/Block/Strata combination when numbered layers found (ie. 1,2,3, 1S,2S,3S...)
  - Error 2106: A rank code of "1" is required if rank "2" exists for the Timber Mark/Block/Strata combination
  - Error 2115: Rank not allowed for Silviculture layer
- AREA Mandatory
  - Error 2017: Area ia mandatory
  - Error 2016: Must be a real number greater than 0
  - Error 2023: Area must be equal within the same Strata
- STOCKING STATUS Mandatory
  - Must be a valid code in local table STOCKING_STATUS
  - Error 2020: For layered NSR stands; all layers must be NSR, Regardless of age class.
- STOCKING TYPE Mandatory
  - Must be a valid code in local table STOCKING_TYPE
  - Error 2098: Must be a valid type for Stocking Status, validate against code Xref

Record C02

- TREE SPECIES Optional

- Must be a valid code in local table TREE_SPECIES
- Max of 5 species may be present for a Timber Mark/Block/Strata/Layer combination
- Error 2114: Duplicates not allowed within the same Timber Mark/Block/Strata/Layer combination
- Error 2097: Mandatory if Stocking Status is IMM or RES (first species)
- Error 2107: If layered and the Stock Status is NSR or IMM then the species must be present.
- Error 2024, 2027, 2030, 2033, 2036: Must have Species if TREE SPECIES PCT > 0

- TREE SPECIES PCT Optional
  - Error 2018, 2025, 2028, 2031, 2034: Must be a valid integer between 1 and 100
  - Max of 5 species Pct may be present for a Timber Mark/Block/Strata/Layer combination
  - Error 2054, 2055: Sum of all Tree Species Pct for a Timber Mark/Block/Strata/Layer combination must = 100 if tree species are present
  - Error 2019, 2026, 2029, 2032, 2035: Must be > 0 when Stocking Status is IMM or RES (first species)
  - Error 2019, 2026, 2029, 2032, 2035: Must be > 0 if a corresponding Species is present
- SPECIES SEQUENCE NUMBER Optional
  - Must be a valid integer between 1 and 5
  - Must be present if Tree Species present
  - Max of 5 entries may be present for a Timber Mark/Block/Strata/Layer combination

Record C03

- AVERAGE AGE Optional
  - Must be a valid integer
  - Error 2037, 2038: Mandatory (must be > 0) when stocking status is IMM or RES for a Timber Mark/Block/Strata/Layer combination
  - Error 2038: If NSR and TREE SPECIES entered, then age must be > 0
  - Error 2038: If NSR and layered then age must be > 0
- AGE PLANTED Optional
  - Must be a valid integer
- AVERAGE HEIGHT Optional
  - Must be a valid real number if given
  - Error 2039, 2040: Mandatory (must be > 0) when stocking status is IMM or RES for a Timber Mark/Block/Strata/Layer combination
  - Error 2040: If NSR and TREE SPECIES entered, then height must be > 0
  - Error 2040: If NSR and layered then must be > 0
- CROWN CLOSURE Optional
  - Must be a valid integer
  - Error 2045: Must be <= 100
- REFERENCE YEAR Mandatory
  - Error 2046: Must be a valid integer, YYYY
  - Error 2047: Must be between 0001 and 9998
  - Error 2048: Must not be greater than current year
  - Abort upload of Mark/Block/Strata if the Reference year in the ISIS database is greater than current reference year

- Error 2102: Must be equal for all layers withing stratum.

- SITE INDEX SOURCE CODE Optional
  - Must be a valid code in local table SITE_INDEX_SRCE_CD
  - Must be present if Site Index > 0
  - Must be blank if Site Index = 0
- SITE INDEX Optional
  - Must be a valid integer
  - Error 2041, 2042: Mandatory (must be > 0) when stocking status is IMM or RES for a Timber Mark/Block/Strata/Layer combination
  - Error 2041: If tree spp recorded, and NSR then this field is mandatory (must be > 0) for INV Layer
- DENSITY Optional
  - Must be a valid integer

Layered Stand:	
Inv: Res/Imm	Mandatory
Silv	Not Applicable
Even Aged Stand:	
Inv/Silv	Optional
IMM	Mandatory

- WELL SPACED STEMS Optional
  - Must be a valid integer

Layered Stand:	
Inv	Optional
Silv: Res/Imm	Mandatory. Error 2049: Well Spaced Stems must be greater than zero.
Even Aged Stand:	
Inv/Silv	Optional
IMM	Mandatory (<15) Error 2049: Well Spaced Stems must be greater than zero.

- FREE GROWING STEMS Optional
  - Must be a valid integer
- RESERVE TYPE Optional
  - Must be a valid code in local table RESERVE_TYPE
- BASAL AREA Optional
  - Must be a valid integer
  - Error 2105: Only required for inv layer 1; optional 'S' layer.
  - Error 2104: Not valid for layers 3 & 4

Record C04

- PEST CODE Optional
  - Must be a valid code in local table PEST_SPECIES
  - Error 2067: Duplicate Species not allowed within Timber Mark/CUT_BLOCK_ID/Strata/Layer
  - Error 2066: Must be present if pest species pct is greater than 0.
- PEST SPECIES PCT Optional
  - Error 2065: Must be a valid integer between 0 and 100
  - Error 2066: Must be > 0 if a corresponding pest species is present

Record C05

- STANDARDS_UNIT_ID
- REGEN_IND
- REGEN_DATE

Record C06

- STANDARDS_UNIT_ID
- FREE_GROW_IND
- FREE_GROW_DATE

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MLSIS-EDT Error List

- Import Errors - 1000 Level Errors
- Validation Errors - 2000 Level Errors
- Upload Errors - 3000 Level Errors
- MainForm Errors - 4000 Level Errors

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Import Errors: 1000 Level Errors

Error Code	Description
1000	A01: Approval Date is Invalid
1001	A01: Error converting to Float or Integer.
1002	Unknown District Code in header
1003	H01: Failed to Insert Header values into Import Header Table.
1004	A01: Failed to Insert PRESCRIPTION data.
1005	A01: Failed to Insert OPENING data.
1006	A02: Failed to Insert TENURE_PRESC data.
1007	A03: Failed to Insert STANDARDS_PRESC data.
1008	A03: Error converting to Float or Integer.
1009	A04: Failed to Insert SU_ECOLOGY data.
1010	A04: Error converting to Integer.
1011	A05: Failed to Insert STOCKING_LAYER data.
1012	A05: Error converting to Float or Integer.
1013	A06: Failed to Insert FORHEALTH_PRESC data.
1014	A06: Error converting to Integer.
1015	B01: Failed to Insert HARVEST_RSLT data.
1016	B01: Failed to Insert ACTIVITY_TU data.
1017	B01: Error converting to Float.
1018	B02: Failed to Insert ACTIVITY_TU data.
1019	B02: Error converting to Float.
1020	B03: Failed to Insert PLANT_STCK_ALOT data.
1021	B03: Error converting to Integer.
1022	C01: Failed to Insert FOREST_COVER data.
1023	C01: Error converting to Float.
1024	C02: Species Sequence number is invalid.
1025	C02: Failed to Update FOREST_COVER data.
1026	C02: Failed to Insert FOREST_COVER data.
1027	C02: Error converting to Integer.
1028	C03: Failed to Update FOREST_COVER data.
1029	C03: Failed to Insert FOREST_COVER data.
1030	C03: Error converting to Float or Integer.
1031	C04: Failed to Insert FORHEALTH_RSLT data.
1032	C04: Error converting to Integer.
1033	Invalid Date: Must be YYYY-MM-DD
1034	File: FILENAME rejected. No email address in header.

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Error 1000

Problem: A01: Approval Date is Invalid
Solution: The SP approval date must be in the format of YYYY-MM-DD eg. 2000-01-14. Note that the separators for the YYYY, MM, or DD can also be blanks, or /.

Error 1001

Problem: A01: Error converting to Float or Integer.
Solution: Ensure your numeric values (eg, Site Index, TAUP, Net Area etc) are valid numeric formats.

Error 1002

Problem: Unknown District Code in header
Solution: The District code must match the ministry codelist. It must be 3 character and proceeded with the letter 'D' For example Prince George District is DPG. Numeric fields like '06', and '09' are not valid.

Error 1003

Problem: H01: Failed to Insert Header values into Import Header Table.
Solution: Ensure the layout of your Header record values are lined up properly. Recheck the ASCII file layout for the Header

Error 1004

Problem: A01: Failed to Insert PRESCRIPTION data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'Prescription Table'. Check to see if the layout for the fields are correct. Check the flat file A01 records of the Form A.

Error 1005

Problem: A01: Failed to Insert OPENING data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'Opening Table'. Check to see if the layout for the fields are correct. Check the flat file A01 records of the Form A

Error 1006

Problem: A02: Failed to Insert TENURE_PRESC data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'EDT_Tenure_Presc Table'. Check to see if the layout for the fields are correct. Check the flat file A02 records of the Form A

Error 1007

Problem: A03: Failed to Insert STANDARDS_PRESC data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'Standards Prescription Table'. Check to see if the layout for the fields are correct. Check the flat file A03 records of the Form A

Error 1008

Problem: A03: Error converting to Float or Integer.
Solution: Ensure your numeric values (eg, Net area, Early Free Growing etc) are valid numeric formats

Error 1009

Problem: A04: Failed to Insert SU_ECOLOGY data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'EDT_SU_Ecology Table'. Check to see if the

layout for the fields are correct. Check the flat file A04 records of the Form A

Error 1010

Problem: A04: Error converting to Integer.
Solution: Ensure your numeric values (eg, Elevation, etc) are valid numeric formats

Error 1011

Problem: A05: Failed to Insert STOCKING_LAYER data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'EDT_Stocking_layer Table'. Check to see if the layout for the fields are correct. Check the flat file A05 records of the Form A

Error 1012

Problem: A05: Error converting to Float or Integer.
Solution: Ensure your numeric values (eg, Max Density,Minimum Stocking etc) are valid numeric formats

Error 1013

Problem: A06: Failed to Insert FORHEALTH_PRESC data.
Solution: Information on the Form A flat file layout couldn't be read and imported into the 'EDT_Forest_Health Table'. Check to see if the layout for the fields are correct. Check the flat file A06 records of the Form A

Error 1014

Problem: A06: Error converting to Integer.
Solution: Ensure your numeric values (eg, Pest Percent, etc) are valid numeric formats

Error 1015

Problem: B01: Failed to Insert HARVEST_RSLT data.
Solution: Information on the Form B flat file layout couldn't be read and imported into the 'EDT_harvest_rslt Table'. Check to see if the layout for the fields are correct. Check the flat file B01 records of the Form B

Error 1016

Problem: B01: Failed to Insert ACTIVITY_TU data.
Solution: Information on the Form B flat file layout couldn't be read and imported into the 'EDT_activity_TU Table'. Check to see if the layout for the fields are correct. Check the flat file B01 records of the Form B

Error 1017

Problem: B01: Error converting to Float.
Solution: Ensure your numeric values (eg,gross block area, etc) are valid numeric formats

Error 1018

Problem: B02: Failed to Insert ACTIVITY_TU data.
Solution: Information on the Form B flat file layout couldn't be read and imported into the 'EDT_Activity_TU Table'. Check to see if the layout for the fields are correct. Check the flat file B02 records of the Form B

Error 1019

Problem: B02: Error converting to Float.
Solution: Ensure your numeric values (eg, Net Area Treated, etc) are valid numeric formats

Error 1020

Problem: B03: Failed to Insert PLANT_STCK_ALOT data.
Solution: Information on the Form B flat file layout couldn't be read and imported into the 'EDT_Plant_Stck_Alot Table'. Check to see if the layout for the fields are correct. Check the flat file B03 records of the Form B

Error 1021

Problem: B03: Error converting to Integer.
Solution: Ensure your numeric values (eg, Seedlots, number planted, etc) are valid numeric formats

Error 1022

Problem: C01: Failed to Insert FOREST_COVER data.
Solution: An error occurred trying to write data to the MLSEDT database. Contact BDB Technical Support.

Error 1023

Problem: C01: Error converting to Float.
Solution: Ensure your numeric values (eg, Rank, Area, etc) are valid numeric formats

Error 1024

Problem: C02: Species Sequence number is invalid.
Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C02 records of the Form C
Note: Each Tree species MUST have a Species sequence number otherwise the EDT application will not successfully import the file

Error 1025

Problem: C02: Failed to Update FOREST_COVER data.
Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C02 records of the Form C

Error 1026

Problem: 02: Failed to Insert FOREST_COVER data.

Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C02 records of the Form C

Error 1027

Problem: C02: Error converting to Integer.
Solution: Ensure your numeric values (eg, Strata, spp percent etc) are valid numeric formats

Error 1028

Problem: C03: Failed to Update FOREST_COVER data
Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C03 records of the Form C

Error 1029

Problem: C03: Failed to Insert FOREST_COVER data.
Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C03 records of the Form C

Error 1030

Problem: C03: Error converting to Float or Integer.
Solution: Ensure your numeric values (eg, Height, basal area etc) are valid numeric formats

Error 1031

Problem: C04: Failed to Insert FORHEALTH_RSLT data.
Solution: Information on the Form C flat file layout couldn't be read and imported into the 'EDT_Forest_Cover Table'. Check to see if the layout for the fields is correct. Check the flat file C04 records of the Form C

Error 1032

Problem: C04: Error converting to Integer.
Solution: Ensure your numeric values (eg, Strata, Pest Incidence percentages, etc) are valid numeric formats

Error 1033

Problem: Invalid Date: Must be YYYY-MM-DD
Solution: Ensure your date has the requried format and it has some kind of 'separtors' between the YYYY, MM or DD. For example YYYY/MM/DD is also valid.

Error 1034

Problem: File: FILENAME rejected. No email address in header.
Solution: Add an email address to the header and re-submit

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Validation Errors: 2000 Level Errors

Error Code	Description
2000	Licence not found. A02 record may be missing.
2001	Opening Mapsheet information is invalid.
2002	Must be only one opening record for a timber mark/block.
2003	Prescription record with no associated OPENING data.
2004	Approval Date cannot be in the future
2005	TAUP Area Must be greater than 0
2006	Net Area Must be greater than 0
2007	Net Area cannot be greater than TAUP Area
2008	Permanent Access % must be between 0.0 and 99.9
2009	Prev SPP1 and SPP2 cannot be the same
2010	Duplicate Activity TU ID's exist for this Timber Mark/Block
2011	Completion Date cannot be in the future
2012	Completion Date cannot be before the Start Date
2013	Treatment Amount must be > 0 (ACT_TRTMNT_AMT).
2014	Base Code/Completion Date/Net Area Treated must be unique within Timber Mark/Block
2015	Too many Activities <number>. A maximum of 50 is permitted for a Timber Mark/Block
2016	Area must be greater than 0.0
2017	Area is mandatory
2018	Tree Species (1) Percent out of range (0-100)
2019	Tree Species (1) Percent missing
2020	If one layer is NSR then all layers must be NSR for the same Strata
2021	Cannot mix even and un-even age layers within the same Strata
2022	There must be a corresponding Inventory layer for a Silviculture layer
2023	Area must be equal within the same Strata
2024	Must specify Code if percent is specified
2025	Tree Species (2) Percent out of range (1-100)
2026	Tree Species (2) Percent missing
2027	Tree Species (2): Must specify Code if percent is specified
2028	Tree Species (3) Percent out of range (1-100)
2029	Tree Species (3) Percent missing
2030	Tree Species (3): Must specify Code if percent is specified
2031	Tree Species (4) Percent out of range (1-100)
2032	Tree Species (4) Percent missing
2033	Tree Species (4): Must specify Code if percent is specified
2034	Tree Species (5) Percent out of range (1-100)
2035	Tree Species (5) Percent missing
2036	Tree Species (5): Must specify Code if percent is specified
2037	Average Age missing
2038	Average Age must be greater than zero
2039	Average Height missing
2040	Average Height must be greater than zero
2041	Site Index is mandatory

2042	Site Index must be greater than zero
2043	Density Stems is mandatory
2044	Density Stems must be greater than zero for IMM/RES layered inventory stands
2045	Crown Closure Percent out of range
2046	Reference Year invalid. Must be in the form: YYYY
2047	Reference Year out of range (1900-2099)
2048	Reference Year is future
2049	Well Spaced Stems must be greater than zero
2050	Well Spaced Stems is mandatory
2051	Too many Strata/Layers <Layers>. A maximum of 100 is permitted for a Timber Mark/Block.
2052	Duplicate Layer exists
2053	Duplicate Rank exists
2054	Sum of Tree Species Percents <Sum> exceeds 100 for Timber Mark
2055	Sum of Tree Species Percents <Sum> is less than 100 for Timber Mark
2056	STANDARD_PRESC record with no associated PRESCRIPTION data
2057	Treatable (Net) Area must be 0 or more
2058	Max Allowable Disturbance must be >= 0
2059	Max Forest Floor Displacement must be >= 0
2060	Max Forest Floor Reduction must be >= 0
2061	TENURE_PRESC record with no associated PRESCRIPTION data.
2062	Invalid Prime Licence Indicator. Must be Y or N
2063	There must be one prime Tenure for a given Timber Mark/Block
2064	EDT_FORHEALTH_RSLT record with no associated FOREST_COVER data.
2065	Pest Species Percent out of range (0-100)
2066	Pest Species Percent missing
2067	Duplicate Species exists in Timber Mark/CUT_BLOCK_ID/Strata/Layer
2069	EDT_HARVEST_RSLT record with no associated ACTIVITY_TU data.
2070	Harvest Start Date is future
2071	Harvest Result record with no associated Activity record
2072	SYSTEM/VARIANT/CUT PHASE combination is invalid
2073	ATU_COMPLETION_DT in ACTIVITY_TU is missing.
2074	PLANT_STCK_ALOT record with no associated ACTIVITY_TU data.
2075	EDT_FORHEALTH_PRESC record with no associated PRESCRIPTION data.
2076	Pest Species Incidence Percent invalid. Must be between 0 and 100
2077	Pest Species Incidence Percent is mandatory
2078	SU_ECOLOGY record with no associated STANDARDS_PRESC data.
2079	Average Elevation must be >= 0
2080	Biogeoclimatic (BGC) data not found in lookup table
2081	No Stocking Layer information exists related to this Ecology.
2082	Ecology must be unique within the same SU
2083	At least one Preferred Tree Species is required
2084	Tree Species must be unique within a stocking layer
2085	Stocking Layer must be unique within a Timber Mark/Block/SU
2086	Stocking Layer exists without associated Ecology.
2087	Target Stocking must be > 0
2088	Minimum Stocking must be > 0
2089	Minimum Preferred Stocking must be > 0

2090	Minimum Horizontal Spacing must be > 0
2091	Minimum Basal Area must be >= 0
2092	Maximum Density must be > 0
2093	Tree Size must be > 0
2094	<Field> is missing.
2095	<Item> not found in <Field> in lookup table <Table>.
2096	<Field>: Invalid date or date format. Must be YYYY-MM-DD. Date value given: <Date>.
2097	Tree Species 1 is mandatory if Stocking Status is IMM or RES.
2098	Stocking type is not valid for the Stocking Status code.
2099	Plant Stock Alottment: Planted Number must be greater than 0.
2100	Seedlot Number not found in SEEDLOT table.
2101	Silv Species not found for this Seedlot.
2102	Reference Year must be the same for all layers within stratum.
2103	Rank Code of 1 is required for numbered layers.
2104	Basal Area is not valid for layers 3 and 4.
2105	Basal Area is required for layer 1.
2106	Rank Code of 1 is required for Timber Mark/Block/Strata if Rank 2 exists.
2107	Tree Species is required if the stand is layered and the Stocking Status is NSR or IMM.
2109	Regen Delay Years cannot be less than zero.
2110	Early Free Growing Years cannot be less than zero.
2111	Late Free Growing Years cannot be less than zero.
2112	Late Free Growing Years must be greater than Early Free Growing Years.
2113	Duplicate Objectives are not allowed.
2114	Duplicate Tree Species are not allowed.
2115	Rank not allowed for Silviculture layer.
2116	Validation Indicator must be "X", "U" or blank.
2117	HEADER_BATCH_CENTRIC_IND must be "O", "X", "B" or blank.
2118	A07 Record is mandatory. Please provide an A07 record.
2119	The sum of the total NPR + NAR does not equal the Taup Area.
2120	Area fields must be numeric. (99999.9)
2121	Action Code must be "X", "I", "U", "D", or blank.
2122	If Action Code = "U" Then ATU Id must be present. Please provide an ATU Id.
2123	Reserve Id must be unique
2124	Planted Number must be greater than zero for PL activities (Technique SE allows zero planted).
2125	Reserve Area or Basal Area is required.
2126	Reserve Area is not in the valid range of 0 to 9999.9
2127	SU X REF is required when the Planned Entry field is 'Y'
2128	Basal Area must be in the range of 0 to 999
2129	When Planned Entry is "N" the SU"s selected must not have area assigned to them.
2130	Invalid Action Code, valid values are: "I", "U", "D", "X" or Blank
2131	You cannot delete Tenure Su's
2132	NC Area is not in the valid range of 0 to 9999.9
2133	Permanent Access Area is not in the valid range of 0 to 9999.9
2134	NP Other Area is not in the valid range of 0 to 9999.9
2135	Immature Area is not in the valid range of 0 to 9999.9
2136	NP Rock Area is not in the valid range of 0 to 9999.9
2137	NP Water Area is not in the valid range of 0 to 9999.9

- 2138 NP Swamp Area is not in the valid range of 0 to 9999.9
- 2139 Other Area is not in the valid range of 0 to 9999.9
- 2140 Total Reserves Area is not in the valid range of 0 to 9999.9
- 2141 The Sum of Reserves with no Harvesting must equal the Reserves With no Modifications in the A07 record.
- 2142 If Action Code = "D" then ATU Id must be present and you cannot change the base code
- 2143 Reserve ID must be supplied.
- 2144 If Action Code = "D" then ATU Id must be present. Please provide an ATU Id.
- 2145 The ATU must exist in ISIS
- 2146 The Silviculture Base Code cannot be changed.
- 2147 Only 1 A07 Record is allowed per Timber Mark / Block.
- 2148 You may only have up to 50 A08 Records be Timber Mark/Block.
- 2149 Planned Entry Indicator must be "Y" or "N".
- 2150 The SUs given as SU Xrefs do not exist in STANDARDS_PRESC. The SUs that do not exist are....
- 2151 Tenure Presc Area is not in the valid range of 0 to 9999.9.
- 2152 Tenure Net Area is not in the valid range of 0 to 9999.9.
- 2153 Pest Species cannot be duplicated within a Timber Mark/Cut Block/SU
- 2154 WARNING: Site Index Source should be present when Site Index is provided.
- 2155 Standards Presc (A03) exists without associated Stocking Layer (A05)
- 2156 Harvest Offset Years must be between 0 and 99.
- 2157 Treatable (Net) Area must be <= TAUP area.
- 2158 Managed By Licence/CP cannot equal prescription Licence/CP.
- 2159 WARNING: Area Summary missing. The Area Summary line should be provided.
- 2160 Planted Number must be greater than zero for PL activities (Technique SE allows zero planted).
- 2161 Reference Year is missing. Please Provide a C03 Record for each C01 Record
- 2162 ATU Id must be provided if Action Code is Delete or Update.
- 2163 When Planned Entry is "N", the SUs associated must not have area assigned to them. Error
- 2164 Pest Species Code must be given if Pest Species Pct is provided.

[Return to Major Licensee Electronic Data Transfer Menu]

Error 2000

Problem: Licence not found. A02 record may be missing.
Solution: Ensure that:
1) A02 record exists in the flatfile.
2) Timbermark identifier present in the flatfile submission corresponds with licence identified in the file.
3) The timbermark identified is associated with the district associated in the Header record.
4) The timbermark is present and/or is a valid timbermark in FTAS. Have the district search in ISIS to determine the correct timbermark for the obligations

Specs

Error 2001

Problem: Opening Mapsheet information is invalid.
Solution: See Specs for valid values for Mapsheet Grid, Letter,Square,Quad, Subquad, and Opening number. Also ensure that the opening number value is not duplicated in ISIS,
The "Opening Number Info Set" is parsed as into(up to) 13 characters and the info set is broken down as:

Grid 1-3 (3 chars)

Letter 4 Square 5-7 (3 chars)
Quad 8 Subquad 9 Opening # 10-13 (4 chars)

For example the opening number 'info set' of 93M 076 33 should be:

_93M076___33

where "underscores" can be a blank space or a 0 (0's get converted to spaces.)

Specs

Error 2002

Problem: Must be only one opening record for a timber mark/block.
Solution: Check the file to see if a duplicate opening number is present, and correct/change the file value

Specs

Error 2003

Problem: Prescription record with no associated OPENING data.
Solution: Ensure there is a A01 row for the flatfile.

Error 2004

Problem: Approval Date cannot be in the future
Solution: The SP approval date must be reviewed and be less than or equal to present date.

Specs

Error 2005

Problem: TAUP Area Must be greater than 0
Solution: This is a mandatory field, therefore review submission to ensure it is complete

Specs

Error 2006

Problem: Net Area Must be greater than 0
Solution: This is a mandatory field, therefore review submission to ensure it is complete

Specs

Error 2007

Problem: Net Area cannot be greater than TAUP Area
Solution: Review your submission to ensure your Net area to be Reforested is less than your Total Area Under the Prescription

Specs

Error 2008

Problem: Permanent Access % must be between 0.0 and 99.9
Solution: Mandatory field. Review submission to ensure a value has been completed. Blanks are not valid but zeros are.

Specs

Error 2009

Problem: Prev SPP1 and SPP2 cannot be the same
Solution: Optional field but if entered you cannot have duplicate spp completed for the given previous stand type.

Specs

Error 2010

Problem: Duplicate Activity TU ID's exist for this Timber Mark/Block
Solution: Review submission to ensure the ATU ids are unique. Note that this field is optional and MLSEDT generates an ATU id for ISIS

Specs

Error 2011

Problem: Completion Date cannot be in the future
Solution: Review denudation submission to ensure that the harvest completion date is not greater than the present date.

Specs

Error 2012

Problem: Completion Date cannot be before the Start Date
Solution: Review the denudation submission to ensure that the harvest completion date is not greater than the harvest start date.

Specs

Error 2013

Problem: Treatment Amount must be > 0.
Solution: Mandatory field. Review denudation submission and ensure harvest area is greater than zero.

Specs

Error 2014

Problem: Base Code/Completion Date/Net Area Treated must be unique within Timber Mark/Block
Solution: Review denudation submission and remove the duplicate information.

Specs

Error 2015

Problem: Too many Activities <number>. A maximum of 50 is permitted for a Timber Mark/Block
Solution: Split the '51st' denudation submission into another unique submission. Very unlikely you will have 50 denudation activities for an obligation!

Specs

Error 2016

Problem: Area must be greater than 0.0
Solution: Mandatory field. Review Forest cover submission and ensure strata area is greater than zero.

Specs

Error 2017

Problem: Area is mandatory
Solution: Review Forest cover submission and ensure strata area is completed and/or greater than zero.

Specs

Error 2018

Problem: Tree Species (1) Percent out of range (0-100)
Solution: Review Form C submission and ensure that the % value for the given tree species is greater than zero and no greater than 100. Note that if you have 1 species it must have a value of 100%

Specs

Error 2019

Problem: Tree Species (1) Percent missing
Solution: Indicates that a tree species was recorded but the percent composition was missing. Review file and complete with necessary value.

Specs

Error 2020

Problem: If one layer is NSR then all layers must be NSR for the same Strata
Solution: Business rules for forest cover when the submission has both a silviculture and inventory component. Regardless of whether or not the strata is even aged or un-even aged, if one is recorded as NSR and there is more than 1 layer, then all layers must be recorded as NSR. Check your submission to ensure all layers are indicated as being NSR, ie. cannot have one layer being IMM as well as NSR.

Specs

Error 2021

Problem: Cannot mix even and un-even age layers within the same Strata
Solution: Business rule for Forest cover. Review the submission and ensure you do not have a strata with both even aged layers(eg. Blank, and 'S') as well as un-even aged layers(eg. 1 and 1S).

Specs

Error 2022

Problem: There must be a corresponding Inventory layer for a Silviculture layer
Solution: Business rule for forest cover. Review the file and change/correct as required. It indicates you have forgotten the inventory layer.

Specs

Error 2023

Problem: Area must be equal within the same Strata
Solution: Review the file and ensure the strata area is not different between layers within the same stratum.

Specs

Error 2024

Problem: Must specify Code if percent is specified
Solution: Review the file and ensure that if you record forest cover tree species that both the tree species code and the percent composition is recorded.

Specs

Error 2025

Problem: Tree Species (2) Percent out of range (1-100)
Solution: Review Form C submission and ensure that the % value for the given tree species is greater than zero and no greater than 100. Note you may have 1 species but it must have a value of 100%

Specs

Error 2026

Problem: Tree Species (2) Percent missing
Solution: Indicates that a tree species was recorded but the percent composition was missing. Review file and complete with necessary value.

Specs

Error 2027

Problem: Tree Species (2): Must specify Code if percent is specified
Solution: Review the file and ensure that if you record forest cover tree species that both the tree species code and the percent composition is recorded.

Specs

Error 2028

Problem: Tree Species (3) Percent out of range (1-100)
Solution: Review Form C submission and ensure that the % value for the given tree species is greater than zero and no greater than 100. Note you may have 1 species but it must have a value of 100%

Specs

Error 2029

Problem: Tree Species (3) Percent missing
Solution: Indicates that a tree species was recorded but the percent composition was missing. Review file and complete with necessary value.

Specs

Error 2030

Problem: Tree Species (3): Must specify Code if percent is specified
Solution: Review the file and ensure that if you record forest cover tree species that both the tree species code and the percent composition is recorded.

Specs

Error 2031

Problem: Tree Species (4) Percent out of range (1-100)
Solution: Review Form C submission and ensure that the % value for the given tree species is greater than zero and no greater than 100. Note you may have 1 species but it must have a value of 100%

Specs

Error 2032

Problem: Tree Species (4) Percent missing
Solution: Indicates that a tree species was recorded but the percent composition was missing. Review file and complete with necessary value.

Specs

Error 2033

Problem: Tree Species (4): Must specify Code if percent is specified
Solution: Review the file and ensure that if you record forest cover tree species that both the tree species code and the percent composition is recorded.

Specs

Error 2034

Problem: Tree Species (5) Percent out of range (1-100)
Solution: Review Form C submission and ensure that the % value for the given tree species is greater than zero and no greater than 100. Note you may have 1 species but it must have a value of 100%

Specs

Error 2035

Problem: Tree Species (5) Percent missing
Solution: Indicates that a tree species was recorded but the percent composition was missing. Review file and complete with necessary value.

Specs

Error 2036

Problem: Tree Species (5): Must specify Code if percent is specified
Solution: Review the file and ensure that if you record forest cover tree species that both the tree species code and the percent composition is recorded.

Specs

Error 2037

Problem: Average Age missing
Solution: It is mandatory when stocking status is IMM or RES. Review the file and enter the appropriate age.

Specs

Error 2038

Problem: Average Age must be greater than zero
Solution: Value was entered but it must be greater than zero since the stocking status is NSR, and a tree spp is indicated in the submission. Review the file and enter the appropriate age. Note that if the stand is layered, and NSR then the age must also be > zero.

Specs

Error 2039

Problem: Average Height missing
Solution: It is mandatory when stocking status is IMM or RES. Review the file and enter the appropriate valid.

Specs

Error 2040

Problem: Average Height must be greater than zero
Solution: Value was entered but it must be greater than zero since the stocking status is NSR, and a tree spp is indicated in the submission. Review the file and enter the appropriate height. Note that if the stand is layered, and NSR then the height must also be > zero.

Specs

Error 2041

Problem: Site Index is mandatory
Solution: Mandatory field when stocking status is NSR and tree species have been recorded. Check the submission and ensure the appropriate value is recorded.

Specs

Error 2042

Problem: Site Index must be greater than zero
Solution: Mandatory field when stocking status is IMM or RES. Check the submission and ensure the appropriate value is recorded.

Specs

Error 2043

Problem: Density Stems is mandatory
Solution: Mandatory field when stocking status is IMM or RES. Check the submission and ensure the appropriate value is recorded.

Specs

Error 2044

Problem: Density Stems must be greater than zero for IMM/RES layered inventory stands
Solution: Review the file and ensure the value for density is completed

Specs

Error 2045

Problem: Crown Closure Percent out of range
Solution: Optional field but if completed it must be 0 to 100

Specs

Error 2046

Problem: Reference Year invalid. Must be in the form: YYYY
Solution: Review the file and enter the complete year, eg. 2000 not 00.

Specs

Error 2047

Problem: Reference Year out of range (1900-2099)
Solution: Review the file and enter the correct range of year.

Specs

Error 2048

Problem: Reference Year is future
Solution: Mandatory field for all strata regardless of stocking status. Cannot have a value greater than the current year.

Specs

Error 2049

Problem: Well Spaced Stems must be greater than zero
Solution: For even aged stands and stocking status of IMM, Well Spaced stems must be recorded, therefore review the submission and determine if Well spaced stems is required

Specs

Error 2050

Problem: Well Spaced Stems is mandatory
Solution: Indicates that Well spaced stems is missing based on the submitted information.

Specs

Error 2051

Problem: Too many Strata/Layers <Layers>. A maximum of 100 is permitted for a Timber Mark/Block.
Solution: Attempt to consolidate your layers and re-submit.

Specs

Error 2052

Problem: Duplicate Layer exists
Solution: Ensure your submission has a unique layer id for each strata.

Specs

Error 2053

Problem: Duplicate Rank exists
Solution: You must ensure there isn't a rank of either 1 or 2 repeated within the layer.

Specs

Error 2054

Problem: Sum of Tree Species Percents <Sum> exceed 100 for Timber Mark
Solution: For the Form C submissions, the sum of the tree species recorded is greater than 100%. Review submission to ensure the sum of the tree species is equal to 100 %.

Specs

Error 2055

Problem: Sum of Tree Species Percents <Sum> is less than 100 for Timber Mark
Solution: For the Form C submissions, the sum of the tree species recorded is less than 100%. Review submission to ensure the sum of the tree species is equal to 100 %.

Specs

Error 2056

Problem: STANDARD_PRESC record with no associated PRESCRIPTION data
Solution: Indicates an incomplete Form A submission. Ensure both the tenure information as well as the stocking standard information is present.

Error 2057

Problem: Treatable (Net) Area must be 0 or more
Solution: Each Standard unit must have a Net area associated with it.

Specs

Error 2058

Problem: Max Allowable Disturbance must be >= 0
Solution: This field is mandatory. If entered it must be greater than or equal to 0.0 %

Specs

Error 2059

Problem: Max Forest Floor Displacement must be >= 0
Solution: This field is not mandatory. If entered it must be greater than 0.0 %. Blanks are OK.

Specs

Error 2060

Problem: Max Forest Floor Reduction must be >= 0
Solution: This field is not mandatory. If entered it must be greater than 0.0 %.

Specs

Error 2061

Problem: TENURE_PRESC record with no associated PRESCRIPTION data.
Solution: There is a row describing the tenure information(A02) but there isn't a corresponding A01 record. Review your submission and ensure the A02 and A01 are present.

Error 2062

Problem: Invalid Prime Licence Indicator. Must be Y or N
Solution: If this field is blank it will be defaulted to 'Y'. Otherwise ensure you use either a 'Y' or 'N' to describe your multi-tenure submissions.

Specs

Error 2063

Problem: There must be one prime Tenure for a given Timber Mark/Block
Solution: You cannot have more than one prime license indicators when submitting for multi-tenure openings. You can however, have more than one designated as 'N'.

Specs

Error 2064

Problem: EDT_FORHEALTH_RSLT record with no associated FOREST_COVER data.
Solution: Indicates you are recording a forest a health Pest but information related to the strata is missing. Ensure you have a strata recorded on the Forest Health submission that corresponds to the one in the C01 record(ie. the one that sets up the strata id).

Error 2065

Problem: Pest Species Percent out of range (1-100)
Solution: Ensure your recorded pest species has a incidence of between 1 and 100 %.

Specs

Error 2066

Problem: Pest Species Percent missing
Solution: It must be > 0 if there is a pest species present on the submitted forest cover.

Specs

Error 2067

Problem: Duplicate Species exists in Timber Mark/CUT_BLOCK_ID/Strata/Layer
Solution: Pest Species indicated must be unique.

Specs

Error 2069

Problem: EDT_HARVEST_RSLT record with no associated ACTIVITY_TU data.
Solution: There is a data integrity problem. Contact BDB Technical Support.

Error 2070

Problem: Harvest Start Date is future
Solution: Cannot have a Harvest start date greater than present date. Review harvest end dates

Specs

Error 2071

Problem: Harvest Result record with no associated Activity record
Solution: There is a data integrity problem. Contact BDB Technical Support.

Error 2072

Problem: SYSTEM/VARIANT/CUT PHASE combination is invalid
Solution: Must be a valid combination in the code table.

Specs

Error 2073

Problem: ATU_COMPLETION_DT in ACTIVITY_TU is missing.
Solution: The completion date for either a silviculture or denudation activity is mandatory and cannot be blank.

Specs

Error 2074

Problem: PLANT_STCK_ALOT record with no associated ACTIVITY_TU data.
Solution: If you have a description of the planting activity(species, numbers, and lot number) there must be corresponding B02 record indicating a 'PL' activity.

Specs

Error 2075

Problem: EDT_FORHEALTH_PRESC record with no associated PRESCRIPTION data.
Solution: If you describe a pest species in the Form A submission, there must be a corresponding description of the standard unit identifiers(A02)

Error 2076

Problem: Pest Species Incidence Percent invalid. Must be between 1 and 100
Solution: Check the C04 line(s) in the data file and correct the Pest Species Percent value.

Specs

Error 2077

Problem: Pest Species Incidence Percent is mandatory
Solution: If you record a Pest Species, ensure a description of the % incident is recorded.

Specs

Error 2078

Problem: SU_ECOLOGY record with no associated STANDARDS_PRESC data.
Solution: The corresponding A03 record(Standard units row) is missing.

Error 2079

Problem: Average Elevation must be >= 0

Solution: This is an optional field, but if recorded, must be greater than or equal to zero meters.

Specs

Error 2080

Problem: Biogeoclimatic (BGC) data not found in lookup table
Solution: Check the BGC codes for your submission, and reconsile with your district contact.

Specs

Error 2081

Problem: No Stocking Layer information exists related to this Ecology.
Solution: If an A04(ecology) record exists there must be a corresponding A05(Stocking standards by layer)

Specs

Error 2082

Problem: Ecology must be unique within the same SU
Solution: Indicates that the ecology(BGC Zone) of the SU is recorded more than once for the same SU.

Specs

Error 2083

Problem: At least one Preferred Tree Species is required
Solution: This is a mandatory field, and must have tree species recorded.

Specs

Error 2084

Problem: Tree Species must be unique within a stocking layer
Solution: Cannot have the same tree species recorded twice within the same layer. Review the submission.

Specs

Error 2085

Problem: Stocking Layer must be unique within a Timber Mark/Block/SU
Solution: Cannot have the same layer recorded twice within the same strata. Review the submission

Specs

Error 2086

Problem: Stocking Layer exists without associated Ecology.
Solution: If A05(stocking layer row) exists ensure an ecology(A04) row exists.

Specs

Error 2087

Problem: Target Stocking must be > 0
Solution: Review submission and ensure the value is greater than 0.

Specs

Error 2088

Problem: Minimum Stocking must be > 0
Solution: Review submission and ensure the value is greater than 0.

Specs

Error 2089

Problem: Minimum Preferred Stocking must be > 0
Solution: Review submission and enter a value greater than 0

Specs

Error 2090

Problem: Minimum Horizontal Spacing must be > 0
Solution: Review submission and enter a value greater than zero.

Specs

Error 2091

Problem: Minimum Basal Area must be >= 0
Solution: Review submission and if required enter a value greater than zero. Note that blank is valid.

Specs

Error 2092

Problem: Maximum Density must be > 0
Solution: Mandatory field, Enter the appropriate value

Specs

Error 2093

Problem: Tree Size must be > 0
Solution: Enter a valid integer.

Specs

Error 2094

Problem: <Field> is missing.
Solution: A required data item (<Field>) is missing from the data file. Check the data file and correct as necessary.

Error 2095

Problem: <Item> not found in <Field> in lookup table <Table>.
Solution: Review submission and check the value of the code against. Check for valid silviculture activity codes on the following web page:

http://www.for.gov.bc.ca/isb/isis/user_guide/append_c/a_c_00.htm

Error 2096

Problem: <Field>: Invalid date or date format. Must be YYYY-MM-DD. Date value given: <Date>.
Solution: Review submission and ensure the submission's SP approval date is like '2000-01-20'. Note that the format may also be 2000/01/20

Error 2097

Problem: Tree Species 1 is mandatory if Stocking Status is IMM, MAT or RES.
Solution: Enter a valid tree species. Note that if the stand is even aged and has a stocking status of MAT, tree species is NOT required.

Specs

Error 2098

Problem: Stocking type is not valid for the Stocking Status code.
Solution: Enter a valid Stocking Status/Stocking Type combination.

Specs

Error 2099

Problem: Plant Stock Alottment: Planted Number must be greater than 0.
Solution: Enter a value greater than 0.

Specs

Error 2100

Problem: Plant Stock Alottment: Seedlot Number not found in SEEDLOT table.
Solution: Enter a valid Seedlot Number. MLSEDT validates seedlot /spp combinations with those found in SPAR. Check with SPAR if you have access. Note that a seedlot MUST be 5 numbers in length. For example a seedlot value of 08978 will be accepted while 8978 will be rejected.

Specs

Error 2101

Problem: Plant Stock Alottment: Silv Species not found for this Seedlot.
Solution: Enter a valid Species for the Seedlot Number. Check with SPAR if you have access.

Specs

Error 2102

Problem: Reference Year must be the same for all layers within stratum.
Solution: Ensure Reference Year is the same for all layers within stratum.

Specs

Error 2103

Problem: Rank Code of 1 is required for numbered layers.
Solution: Ensure a Rank Code of 1 exists for un-even aged stands.

Specs

Error 2104

Problem: Basal Area is not valid for layers 3 and 4.
Solution: Do not include Basal Area values in layers 3 and 4.

Specs

Error 2105

Problem: Basal Area is required for layer 1.
Solution: Ensure Basal Area value is given for layer 1.

Specs

Error 2106

Problem: Rank Code of 1 is required for Timber Mark/Block/Strata if Rank 2 exists.
Solution: Ensure a Rank 1 exists for the Timber Mark/Block/Strata.

Specs

Error 2107

Problem: Tree Species is required if the stand is layered and the Stocking Status is NSR or IMM.
Solution: Ensure Tree Species is entered for IMM/NSR layered stands.

Specs

Error 2108

Problem: Site Class Code is required if Rank is 1.
Solution: Ensure Site Class is entered for Rank = 1. Note that Site Index is the method recorded for all Forest Cover submissions with the reference year 1994 and greater. Prior to this year Site class was used.

Specs

Error 2109

Problem: Regen Delay Years cannot be less than zero.
Solution: Ensure Regen Delay Years value is zero or more.

Specs

Error 2110

Problem: Early Free Growing Years cannot be less than zero.
Solution: Ensure Early Free Growing Years value is zero or more.

Specs

Error 2111

Problem: Late Free Growing Years cannot be less than zero.
Solution: Ensure Late Free Growing Years value is zero or more.

Specs

Error 2112

Problem: Late Free Growing Years must be greater than Early Free Growing Years.
Solution: Ensure Late Free Growing Years value is greater than Early Free Growing Years.

Specs

Error 2113

Problem: Duplicate Objectives are not allowed.
Solution: Ensure Silviculture Objectives are unique within a TIMBER MARK/BLOCK.

Specs

Error 2114

Problem: Duplicate Tree Species are not allowed.
Solution: Ensure Tree Species are unique.

Specs

Error 2115

Problem: Rank not allowed for Silviculture layer.
Solution: Review submission and ensure a Rank is only recorded for the Inventory component

Specs

Error 2116

Problem: Validation Indicator must be "X", "U" or blank.
Solution: Indicator will allow for data to be submitted for verification only (it will not upload).

Specs

Error 2117

Problem: Opening/Batch Centric Indicator must be "O", "X", "B" or blank.
Solution: If Indicator is not a valid value, data will be rejected.

Specs

Error 2118

Problem: A07 Record is mandatory.
Solution: Please provide an A07 record.

Specs

Error 2119

Problem: The sum of the total NPR + NAR does not equal the Taup Area.
Solution: The sum of total NPR + NAR must equal Taup Area.

Specs

Error 2120

Problem: Area fields must be numeric.
Solution: Area fields must be 99999.9.

Specs

Error 2121

Problem: Need to handle corrections to Form A records.
Solution: Action Code must be "X", "I", "U", "D", or blank.

Specs

Error 2122

Problem: ATU Id must be associated with an updated record.
Solution: If Action Code = "U" Then ATU Id must be present. Please provide an ATU Id.

Specs

Error 2123

Problem: Duplicate Reserve Id not allowed.

Solution: Reserve Id must be unique.

Specs

Error 2124

Problem: Planted Number must not be less than zero.
Solution: Planted Number must be greater than zero for PL activities.

Specs

Error 2125

Problem: One of Reserve Area or Basal Area must not be blank.
Solution: Reserve Area or Basal Area is required.

Specs

Error 2126

Problem: Reserve Area is not in the valid range of 0 to 9999.9.
Solution: Reserve Area must be in the range of 0 to 9999.9.

Specs

Error 2127

Problem: SU X Ref is required when the Planned Entry field is "Y".
Solution: SU X Ref is required when the Planned Entry field is "Y".

Specs

Error 2128

Problem: Basal Area must not be out of range.
Solution: Basal Area must be in the range of 0 to 999.

Specs

Error 2129

Problem: Areas assigned when planned entry indictor is N.
Solution: When Planned Entry is "N" the SU's selected must not have area assigned to them.

Specs

Error 2130

Problem: Invalid Action Code.
Solution: Valid Action Code values are "I", "U", "D", "X" or blank.

Specs

Error 2131

Problem: Deletion of Tenure SU's
Solution: You can not delete Tenure SU's.

Specs

Error 2132

Problem: NC Area is not in the valid range of 0 to 9999.9.
Solution: Ensure NC Area is within valid range.

Specs

Error 2133

Problem: Permanent Access Area is not in the valid range of 0 to 9999.9
Solution: Ensure Access area is within range.

Specs

Error 2134

Problem: NP Other Area is not in valid range of 0 to 9999.9.
Solution: Ensure NP Other area is within range.

Specs

Error 2135

Problem: Immature Area is not in valid range of 0 to 9999.9..
Solution: Ensure Immature area is within range.

Specs

Error 2136

Problem: NP Rock Area is not in valid range of 0 to 9999.9..
Solution: Ensure INP Rock Area is within range.

Specs

Error 2137

Problem: NP Water Area is not in valid range of 0 to 9999.9..
Solution: Ensure NP Water Area is within range.

Specs

Error 2138

Problem: NP Swamp Area is not in valid range of 0 to 9999.9.
Solution: Ensure NP Swamp Area is within range.

Specs

Error 2139

Problem: Other Area is not in valid range of 0 to 9999.9.
Solution: Ensure Other Area is within range.

Specs

Error 2140

Problem: Total Reserves Area is not in valid range of 0 to 9999.9.
Solution: Ensure Total Reserves Area is within range.

Specs

Error 2141

Problem: The Sum of Reserves with no Harvesting must equal the Reserves with no modifications in the A07 record.
Solution: If reserve lines are present then the sum of reserves with no harvesting must equal the reserves with no modifications in the A07 record.

Specs

Error 2142

Problem: If Action code = "D" then ATU Id must be present and you cannot change the base code.
Solution: Ensure ATU Id is present when Action code is "D".

Specs

Error 2143

Problem: Reserve Id must be supplied.
Solution: Ensure Reserve Id is not blank.

Specs

Error 2144

Problem: If Action code = "D" then ATU Id must be present
Solution: Ensure ATU Id is present when Action code is "D".

Specs

Error 2145

Problem: The ATU must exist in ISIS.
Solution: Ensure the ATU exists in ISIS.

Specs

Error 2146

Problem: The Silviculture Base Code cannot be changed.
Solution: Ensure Base Code is not modifiable.

Specs

Error 2147

Problem: Only 1 A07 Record is allowed per Timber Mark / Block.
Solution: Ensure only 1 A07 record is entered per mark/block.

Specs

Error 2148

Problem: You may only have up to 50 A08 records be Timber Mark / Block.
Solution: Ensure only up to 50 A08 records per timber mark / block.

Specs

Error 2149

Problem: Planned Entry Indicator must be "Y" or "N".
Solution: Ensure Entry Indicator is one of Y or N.

Specs

Error 2150

Problem: The SUs given as SU Xrefs do not exist in STANDARDS_PRESC.
Solution: The SUs given as SU Xrefs do not exist in STANDARDS_PRESC.

Specs

Error 2151

Problem: Tenure Presc Area is not in valid range of 0 to 9999.9.
Solution: Ensure Tenure Presc Area is within valid range.

Specs

Error 2152

Problem: Tenure Net Area is not in valid range of 0 to 9999.9.
Solution: Ensure Tenure Net Area is within valid range.

Specs

Error 2153

Problem: Pest Species cannot be duplicated within a Timber mark/Cut Block/SU.
Solution: Pest Species cannot be duplicated within a Timber mark/Cut Block/SU.

Specs

Error 2154

Problem: WARNING: Site Index Source should be present when Site Index is provided.
Solution: Ensure Site Index Source is present when Site Index is given.

Specs

Error 2155

Problem: Standards Presc (A03) exists without associated Stocking Layer (A05).
Solution: Standards Presc (A03) exists without associated Stocking Layer (A05).

Specs

Error 2156

Problem: Harvest Offset Years must be between 0 and 99.
Solution: Ensure Harvest Offset Years are within valid range.

Specs

Error 2157

Problem: Treatable (Net) Area must be
Solution:

Specs

Error 2158

Problem: Managed By Licence / Cp cannot equal Prescription Licence/CP.
Solution: Ensure Managed By Licence / Cp does not equal Prescription Licence/CP.

Specs

Error 2159

Problem: WARNING: Area Summary missing. The Area Summary line should be provided.
Solution: Ensure Area Summary Line is provided.

Specs

Error 2160

Problem: Planted Number must be greater than zero for PL activities (Technique SE allows zero planted).
Solution: Ensure Planted Number is not zero for PL activities.

Specs

Error 2161

Problem: Reference Year is missing. Please provide a C03 record for each C01.
Solution: Ensure C03 record is provided for each C01.

Specs

Error 2162

Problem: ATU Id must be provided if Action Code is Delete or Update.
Solution: Ensure ATU Id is provided is Action code = D or U.

Specs

Error 2163

Problem: When Planned Entry is "N", the SUs associated must not have area assigned to them.
Solution: Ensure SU's associated with a Planned Entry do not have area assigned to them.

Specs

Error 2164

Problem: Pest Species Code must be given if Pest Species Pct is provided.
Solution: Ensure Pest Species Code is given when Pest Species Pct is provided.

Specs

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Upload Errors: 3000 Level Errors

Error Code	Description
3000	Host Error. Failed to connect to Database
3001	DRDA Failed to create a connection to Database
3002	No Form A data in import file.
3003	No Form B data in import file.
3004	No Form C data in import file.
3005	Host Key Retrieval Error (Opening)
3006	Unable to obtain an OPENING SKEY.
3007	Update of OPENING_SKEYs in Oracle failed.
3008	Host Key Retrieval Error (SP)
3009	Update of STOCKING_SKEYs in Oracle failed.
3010	Host Key Retrieval Error (Ecology)
3011	Update of ECOLOGY SKEYs in Oracle failed.
3012	Delete of uploaded Form A records from Oracle failed.
3013	Form A Upload Failed for Timber Mark: X, Block: X
3014	Host Key Retrieval Error (Tenure):
3015	Form C: Invalid Timber Mark / Cut Block combination.
3016	Update of OPENING_SKEYs in Oracle failed.
3017	Delete of uploaded Form C records from Oracle failed.
3018	Duplicate Opening Identifier exists on host for Timber Mark: X, Block: X
3019	Failed to Create OPENING record on HOST.
3020	Form A (Prescription) Upload failed for Timber Mark: X, Block: X Error
3021	Cut Block Error
3022	WARNING: Cut Block already exists in FTAS.
3023	Form A (Tenure) Upload failed for Timber Mark: X, Block: X, Forest File ID: X
3024	TENURE_PRESC' Duplicate TENURE_PRESC record exists on host. File may have already been uploaded.
3025	Permanent Authorized Block Error
3026	PRMT_AUTHZD_BLK, Duplicate PRMT_AUTHZD_BLK record exists on host. File may have already been uploaded.
3027	Form A (Standards Presc) Upload failed for Timber Mark: X, Block: X, SU ID: X
3028	STANDARDS_PRESC, Duplicate STANDARDS_PRESC record exists on host. File may have already been uploaded.
3029	Form A (Ecology) Upload failed for Timber Mark X, Block: X, SU ID: X
3030	SU_ECOLOGY, Duplicate SU_ECOLOGY record exists on host. File may have already been uploaded.
3031	Form A (Stocking Layer) Upload failed for Timber Mark: X, Block: X, SU ID: X
3032	STOCKING_LAYER, Duplicate STOCKING_LAYER exists on host. File may have already been uploaded.
3033	Forest Health Skey Error
3034	Form A (Forest Health) Upload failed for Timber Mark: X, Block: X, SU ID: X
3035	FORHEALTH_PRESC, Duplicate FORHEALTH_PRESC record exists on host. File may have already been uploaded.
3036	Host Key Retrieval Error (Tenure)
3037	EDT_ACTIVITY_TU, Form B: Invalid Timber Mark / Cut Block combination
3038	Duplicate Activity Check Error
3039	Host Key Retrieval Error (Activity TU)
3040	Form B (Activity TU) Upload failed for Timber Mark: X, Block: X, ATU ID: X
3041	ACTIVITY_TU, Duplicate ACTIVITY exists on host. File may have already been uploaded.
3042	Link Table Error Error (Planting)

- 3043 PLANT_RSLT, Duplicate PLANT_RSLT record exists on host. File may have already been uploaded.
- 3044 PRUNING_RSLT, Duplicate PRUNING_RSLT record exists on host. File may have already been uploaded
- 3045 Link Table Error (Juvenile Spacing)
- 3046 JUVENILE_SPACING_RSLT, Duplicate JUVENILE_SPACING_RSLT record exists on host. File may have already been uploaded.
- 3047 Link Table Error (Fertilization):
- 3048 FERTILIZER_RSLT, Duplicate FERTILIZER_RSLT record exists on host. File may have already been uploaded.
- 3049 BRUSHING_RSLT, Duplicate BRUSHING_RSLT record exists on host. File may have already been uploaded.
- 3050 SITE_PREP_RSLT, Duplicate SITE_PREP_RSLT record exists on host. File may have already been uploaded.
- 3051 Form B (Harvest Result) Upload failed for Timber Mark: X, Block: X, ATU ID: X
- 3052 HARVEST_RSLT, Duplicate HARVEST_RSLT record exists on host. File may have already been uploaded.
- 3053 Form B (Plant Stock) Upload failed for Timber Mark: X, Block: X, Seedlot: X, Species: X
- 3054 PLANT_STCK_ALOT, Duplicate PLANT_STCK_ALOT record exists on host. File may have already been uploaded.
- 3055 Newer Forest Cover record on Host for Timber Mark: X, Block: X
- 3056 Host Key Retrieval Error (Forest Cover)
- 3057 FOREST_COVER, Duplicate FOREST_COVER record exists on host. File may have already been uploaded.
- 3058 Host Key Retrieval Error (Forest Health)
- 3059 Form C (Forest Health Result) Upload failed for Timber Mark: X, Block: X, Pest Species Code: X
- 3060 FORHEALTH_RSLT, Duplicate FORHEALTH_RSLT record exists on host. File may have already been uploaded.
- 3061 Invalid Tenure Licence: X Timber Mark: X, Block: X
- 3062 Tenure Information already exists in ISIS for Licence X, Cutting Permit X, Block X
- 3063 FTAS Sale Date is missing on Prime Tenure. This is invalid for ISIS.
- 3064 Tenure Timber Mark/Block differ from the identification Timber Mark/Block in the import file A01 record. Sale Date cannot be determined.

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Error 3000

Problem: Host Error. Failed to connect to Database
Solution: MLSEDT was unable to establish a connection to the mainframe. Contact BDB Technical Support.

Error 3001

Problem: DRDA Failed to create a connection to Database
Solution: MLSEDT was unable to establish a connection to the mainframe. Contact BDB Technical Support.

Error 3002

Problem: No Form A data in import file.
Solution: Ignore message

Error 3003

Problem: No Form B data in import file.

Solution: Ignore message

Error 3004

Problem: No Form C data in import file.
Solution: Ignore message

Error 3005

Problem: Host Key Retrieval Error (Opening)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3006

Problem: Unable to obtain an OPENING SKEY.
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3007

Problem: Update of OPENING_SKEYs in Oracle failed.
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3008

Problem: Host Key Retrieval Error (SP)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3009

Problem: Update of STOCKING_SKEYs in Oracle failed.
Solution: An error occurred updating the local database. Contact BDB Technical Support.

Error 3010

Problem: Host Key Retrieval Error (Ecology)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3011

Problem: Update of ECOLOGY SKEYs in Oracle failed.
Solution: An error occurred updating the local database. Contact BDB Technical Support.

Error 3012

Problem: Delete of uploaded Form A records from Oracle failed.

Solution: An error occurred updating the local database. Contact BDB Technical Support.

Error 3013

Problem: Form A Upload Failed for Timber Mark: X, Block: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3014

Problem: Host Key Retrieval Error (Tenure):
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3015

Problem: Form C: Invalid Timber Mark / Cut Block combination.
Solution: The corresponding opening number doesn't match or cannot be found in ISIS. District staff can search ISIS to determine what the correct value is. Correct and resubmit

Error 3016

Problem: Update of OPENING_SKEYs in Oracle failed.
Solution: An error occurred updating the local database. Contact BDB Technical Support.

Error 3017

Problem: Delete of uploaded Form C records from Oracle failed.
Solution: An error occurred updating the local database. Contact BDB Technical Support.

Error 3018

Problem: Duplicate Opening Identifier exists on host for Timber Mark: X, Block: X
Solution: Cannot have a duplicate Opening number on ISIS. Contact district to determine a unique value, and resubmit

Error 3019

Problem: Failed to Create OPENING record on HOST.
Solution: MLSEDT was unable to create necessary information on the mainframe. Contact BDB Technical Support.

Error 3020

Problem: Form A (Prescription) Upload failed for Timber Mark: X, Block: X Error
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3021

Problem: Cut Block Error
Solution: MLSEDT was unable to create necessary information on the mainframe. Contact BDB Technical Support.

Error 3022

Problem: CUT_BLOCK Duplicate CUT_BLOCK record exists on host. File may have already been uploaded.
Solution: Internal ISIS duplicate Cut Block keys were encountered. Contact BDB Technical Support.

Error 3023

Problem: Form A (Tenure) Upload failed for Timber Mark: X, Block: X, Forest File ID: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3024 (ERROR NUMBER NOT USED ANYMORE)

Problem: TENURE_PRESC' Duplicate TENURE_PRESC record exists on host. File may have already been uploaded.
Solution:

Error 3025

Problem: Permanent Authorized Block Error
Solution: An error occurred retrieving necessary information from the mainframe. Contact BDB Technical Support.

Error 3026

Problem: PRMT_AUTHZD_BLK, Duplicate PRMT_AUTHZD_BLK record exists on host. File may have already been uploaded.
Solution: Internal ISIS duplicate Permanent Authorized Block keys were encountered. Contact BDB Technical Support.

Error 3027

Problem: Form A (Standards Presc) Upload failed for Timber Mark: X, Block: X, SU ID: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3028 (ERROR NUMBER NOT USED ANYMORE)

Problem: STANDARDS_PRESC, Duplicate STANDARDS_PRESC record exists on host. File may have already been uploaded.
Solution:

Error 3029

Problem: Form A (Ecology) Upload failed for Timber Mark X, Block: X, SU ID: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3030 (ERROR NUMBER NOT USED ANYMORE)

Problem: SU_ECOLOGY, Duplicate SU_ECOLOGY record exists on host. File may have already been uploaded.
Solution:

Error 3031

Problem: Form A (Stocking Layer) Upload failed for Timber Mark: X, Block: X, SU ID: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3032 (ERROR NUMBER NOT USED ANYMORE)

Problem: STOCKING_LAYER, Duplicate STOCKING_LAYER exists on host. File may have already been uploaded.
Solution:

Error 3033

Problem: Forest Health Skey Error
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3034

Problem: Form A (Forest Health) Upload failed for Timber Mark: X, Block: X, SU ID: X
Solution: One or more errors occurred during the Form A upload. Refer to the error message reported for information about the upload errors.

Error 3035 (ERROR NUMBER NOT USED ANYMORE)

Problem: FORHEALTH_PRESC, Duplicate FORHEALTH_PRESC record exists on host. File may have already been uploaded.
Solution:

Error 3036

Problem: Host Key Retrieval Error (Tenure)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Specs

Error 3037

Problem: EDT_ACTIVITY_TU, Form B: Invalid Timber Mark / Cut Block combination
Solution: The corresponding obligation number doesn't match or cannot be found in ISIS. District staff can search ISIS to determine what the correct value is. Correct and resubmit

Error 3038

Problem: Duplicate Activity Check Error
Solution: An error occurred retrieving necessary information from the mainframe. Contact BDB Technical Support.

Error 3039

Problem: Host Key Retrieval Error (Activity TU)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3040

Problem: Form B (Activity TU) Upload failed for Timber Mark: X, Block: X, ATU ID: X
Solution: One or more errors occurred during the Form B upload. Refer to the error message reported for information about the upload errors.

Error 3041

Problem: ACTIVITY_TU, Duplicate ACTIVITY exists on host. File may have already been uploaded.
Solution: The corresponding Form B silviculture information(within the flatfile) already exists in ISIS. If necessary check with the district contact to determine if it is a true duplicate. If so no need to re-submit.

Error 3042

Problem: Link Table Error Error (Planting)
Solution: MLSEDT was unable to create necessary information on the mainframe. Contact BDB Technical Support.

Error 3043 (ERROR NUMBER NOT USED ANYMORE)

Problem: PLANT_RSLT, Duplicate PLANT_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3044 (ERROR NUMBER NOT USED ANYMORE)

Problem: PRUNING_RSLT, Duplicate PRUNING_RSLT record exists on host. File may have already been uploaded
Solution:

Error 3045

Problem: Link Table Error (Juvenile Spacing)
Solution: MLSEDT was unable to create necessary information on the mainframe. Contact BDB Technical Support.

Error 3046 (ERROR NUMBER NOT USED ANYMORE)

Problem: JUVENILE_SPACING_RSLT, Duplicate JUVENILE_SPACING_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3047

Problem: Link Table Error (Fertilization):
Solution: MLSEDT was unable to create necessary information on the mainframe. Contact BDB Technical Support.

Error 3048 (ERROR NUMBER NOT USED ANYMORE)

Problem: FERTILIZER_RSLT, Duplicate FERTILIZER_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3049 (ERROR NUMBER NOT USED ANYMORE)

Problem: BRUSHING_RSLT, Duplicate BRUSHING_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3050 (ERROR NUMBER NOT USED ANYMORE)

Problem: SITE_PREP_RSLT, Duplicate SITE_PREP_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3051

Problem: Form B (Harvest Result) Upload failed for Timber Mark: X, Block: X, ATU ID: X
Solution: The corresponding Form B denudation information(within the flatfile) already exists in ISIS. If necessary check with the district contact to determine if it is a true duplicate. If so no need to re-submit.

Error 3052

Problem: HARVEST_RSLT, Duplicate HARVEST_RSLT record exists on host. File may have already been uploaded.
Solution: Internal ISIS duplicate Harvest Result keys were encountered. Resubmit denudation activity.

Error 3053

Problem: Form B (Plant Stock) Upload failed for Timber Mark: X, Block: X, Seedlot: X, Species: X
Solution: One or more errors occurred during the Form B upload. Refer to the error message reported for information about the upload errors.

Error 3054 (ERROR NUMBER NOT USED ANYMORE)

Problem: PLANT_STCK_ALOT, Duplicate PLANT_STCK_ALOT record exists on host. File may have already been uploaded.
Solution:

Error 3055

Problem: Newer Forest Cover record on Host for Timber Mark: X, Block: X
Solution: Indicates that you have more recent information with respect to reference year. For example, there is a forest cover with a reference year of 1999, and you are submitting information with a reference year of 1998. Check your recent submissions with the district.

Error 3056

Problem: Host Key Retrieval Error (Forest Cover)

Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3057 (ERROR NUMBER NOT USED ANYMORE)

Problem: FOREST_COVER, Duplicate FOREST_COVER record exists on host. File may have already been uploaded.
Solution:

Error 3058

Problem: Host Key Retrieval Error (Forest Health)
Solution: MLSEDT was unable to retrieve necessary information from the mainframe. Contact BDB Technical Support.

Error 3059

Problem: Form C (Forest Health Result) Upload failed for Timber Mark: X, Block: X, Pest Species Code: X
Solution: One or more errors occurred during the Form C upload. Refer to the error message reported for information about the upload errors.

Error 3060 (ERROR NUMBER NOT USED ANYMORE)

Problem: FORHEALTH_RSLT, Duplicate FORHEALTH_RSLT record exists on host. File may have already been uploaded.
Solution:

Error 3061

Problem: Invalid Tenure Licence: X Timber Mark: X, Block: X
Solution: The licence, and its corresponding timbermark, cannot be found. Check with the district to determine what the value should be.

Error 3062

Problem: Tenure Information already exists in ISIS for Licence X, Cutting Permit X, Block X
Solution: Form A information indicates that there is already the same Licence, Cutting Permit and Block in ISIS. Check flatfile, and contact district to resolve.

Error 3063 (ERROR NUMBER NOT USED ANYMORE)

Problem: FTAS Sale Date is missing on Prime Tenure. This is invalid for ISIS.
Solution:

Error 3064

Problem: Tenure Timber Mark/Block differ from the identification Timber Mark/Block in the import file A01 record. Sale Date cannot be determined.
Solution: There is no Opening Timber Mark/Block that matches the Tenure Timber Mark/Block. Check the A02 line in the data file and correct as necessary.

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MainForm Errors: 4000 Level Errors

Error Code	Description
4000	Import Failed For <File>
4001	Validation Failed For <File>
4002	<File> was removed before it was processed
4003	Unable to send email: No Email address available.
4004	EMail Error <Message>
4005	Unable to send email: unable to establish a connection with SMTP server <Server>
4006	An SMTP error has occurred. Error details follow: <Details>
4007	Could not retrieve District Number!
4008	Upload Encountered Errors

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Error 4000

Problem: Import Failed For <File>
Solution: One or more errors occurred during the import process. Refer to the specific errors reported by MLSEDT for resolution.

Error 4001

Problem: Validation Failed For <File>
Solution: One or more errors occurred during the validation process. Refer to the specific errors reported by MLSEDT for resolution.

Error 4002

Problem: <File> was removed before it was processed
Solution: MLSEDT had detected <File> as a new data file, but the file was moved or deleted before MLSEDT could process it.

Error 4003

Problem: Unable to send email: No Email address available.
Solution: The H01 line in the data file did not contain an email address and there was no CC address specified in the MLSEDT database for the district identified in the data file. Add a valid email address to the H01 line in the data file and resubmit the file.

Error 4004

Problem: EMail Error <Message>
Solution: An error occurred within the email component used by MLSEDT. The <Message> portion of this error message provides specific information about the error that occurred. Contact BDB Technical Support.

Error 4005 (ERROR NUMBER NOT USED ANYMORE)

Problem: Unable to send email: unable to establish a connection with SMTP server <Server>
Solution:

Error 4006 (ERROR NUMBER NOT USED ANYMORE)

Problem: An SMTP error has occurred. Error details follow: <Details>
Solution:

Error 4007

Problem: Could not retrieve District Number!
Solution: MLSEDT was unable to locate the district identified in the data file in the Organization Unit table. Check the H01 line in the data file and correct the district code if required. If the H01 line contains a valid district code, contact BDB Technical Support.

Error 4008

Problem: Upload Encountered Errors
Solution: One or more errors occurred during the upload process. Refer to the specific errors reported by MLSEDT for resolution

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